

GOMOS Daily Report 24-JUN-2011

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	27JUN2011 07:04:33
Data source version	GOMOS/6.01
Start time of products	24JUN2011 00:14:09
Stop time of products	24JUN2011 23:54:28
Store outputs in DB	Yes
Nb of level 1b prods	252
Nb of prods with errors	0

2. Summary of products arrived in PCF (Product Control Facility)

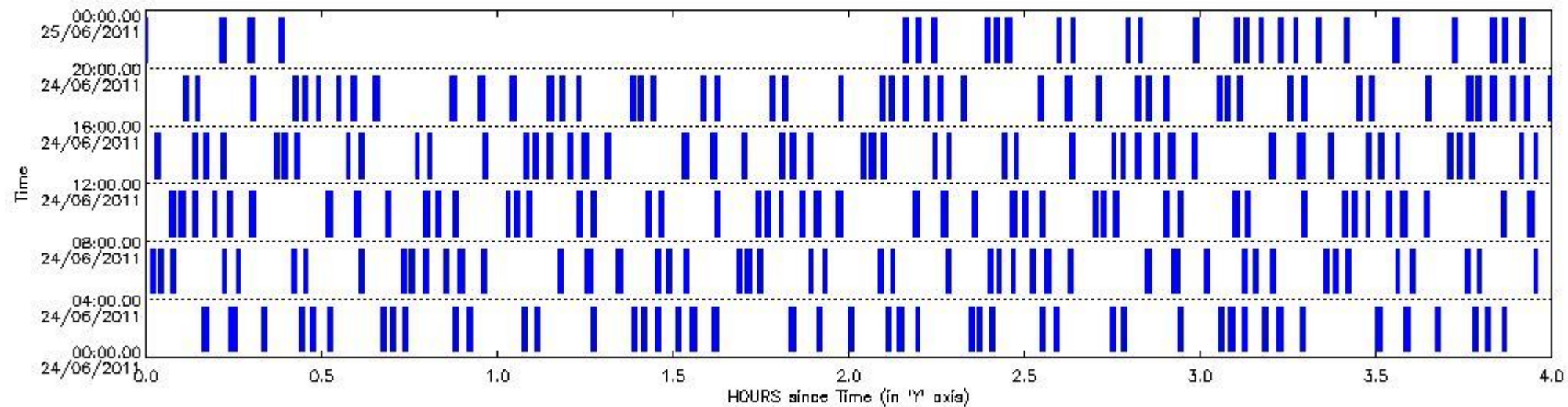
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



2.3 Summary of missing occultations (red segments in previous plot)

No missing products.

2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110624_001409_000000693103_00418_48708_7989.N1	24-JUN-2011 00:14:09	Dark	69.000	52	16Bet Cet	2.0370	4500.0	138	48708	No
2	GOM_TRA_1PNPDE20110624_001937_000000473103_00418_48708_7990.N1	24-JUN-2011 00:19:37	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48708	No
3	GOM_TRA_1PNPDE20110624_002604_000000553103_00419_48709_7991.N1	24-JUN-2011 00:26:04	Dark	55.000	63	Bet Gru	2.1500	2800.0	110	48709	No
4	GOM_TRA_1PNPDE20110624_002805_000000503103_00419_48709_7992.N1	24-JUN-2011 00:28:05	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	48709	No
5	GOM_TRA_1PNPDE20110624_003105_000000423103_00419_48709_7993.N1	24-JUN-2011 00:31:05	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48709	No
6	GOM_TRA_1PNPDE20110624_004012_000000463103_00419_48709_7994.N1	24-JUN-2011 00:40:12	Twilight_stray	46.000	38	20Eps Sgr	1.8360	11000.	92	48709	No
7	GOM_TRA_1PNPDE20110624_004136_000000483103_00419_48709_7995.N1	24-JUN-2011 00:41:36	Bright	47.500	116	19Del Sgr	2.7000	4100.0	95	48709	No
8	GOM_TRA_1PNPDE20110624_004344_000000503103_00419_48709_7996.N1	24-JUN-2011 00:43:44	Bright	50.000	155	41Pi Sgr	2.9000	6600.0	100	48709	No
9	GOM_TRA_1PNPDE20110624_005227_000000393103_00419_48709_7997.N1	24-JUN-2011 00:52:27	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	48709	No
10	GOM_TRA_1PNPDE20110624_005450_000000403103_00419_48709_7998.N1	24-JUN-2011 00:54:50	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	48709	No
11	GOM_TRA_1PNPDE20110624_010418_000000453103_00419_48709_7999.N1	24-JUN-2011 01:04:18	Bright	45.000	5	3Alp Lyr	0.033000	11000.	90	48709	No
12	GOM_TRA_1PNPDE20110624_010624_000000373103_00419_48709_8000.N1	24-JUN-2011 01:06:24	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	48709	No

13	GOM_TRA_1PNPDE20110624_011558_000000473103_00419_48709_8001.N1	24-JUN-2011 01:15:58	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48709	No
14	GOM_TRA_1PNPDE20110624_012300_000000473103_00419_48709_8002.N1	24-JUN-2011 01:23:00	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	48709	No
15	GOM_TRA_1PNPDE20110624_012434_000000473103_00419_48709_8003.N1	24-JUN-2011 01:24:34	Bright	47.000	68	18Alp Cas	2.2250	4500.0	94	48709	No
16	GOM_TRA_1PNPDE20110624_012658_000000423103_00419_48709_8004.N1	24-JUN-2011 01:26:58	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	48709	No
17	GOM_TRA_1PNPDE20110624_013021_000000463103_00419_48709_8005.N1	24-JUN-2011 01:30:21	Bright	45.500	73	57Gam1And	2.2600	13100.	91	48709	No
18	GOM_TRA_1PNPDE20110624_013246_000000643103_00419_48709_8006.N1	24-JUN-2011 01:32:46	Tw_i_and_stray	64.000	53	43Bet And	2.0480	3300.0	128	48709	No
19	GOM_TRA_1PNPDE20110624_013642_000000553103_00419_48709_8007.N1	24-JUN-2011 01:36:42	Dark	54.500	50	13Alp Ari	2.0070	4250.0	109	48709	No
20	GOM_TRA_1PNPDE20110624_015425_000000593103_00419_48709_8016.N1	24-JUN-2011 01:54:25	Dark	58.500	52	16Bet Cet	2.0370	4500.0	117	48709	No
21	GOM_TRA_1PNPDE20110624_015952_000000463103_00419_48709_8017.N1	24-JUN-2011 01:59:52	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48709	No
22	GOM_TRA_1PNPDE20110624_020619_000000513103_00420_48710_8018.N1	24-JUN-2011 02:06:19	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	48710	No
23	GOM_TRA_1PNPDE20110624_020820_000000493103_00420_48710_8019.N1	24-JUN-2011 02:08:20	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48710	No
24	GOM_TRA_1PNPDE20110624_021119_000000433103_00420_48710_8020.N1	24-JUN-2011 02:11:19	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48710	No
25	GOM_TRA_1PNPDE20110624_022026_000000483103_00420_48710_8021.N1	24-JUN-2011 02:20:26	Tw_i_and_stray	47.500	38	20Eps Sgr	1.8360	11000.	95	48710	No
26	GOM_TRA_1PNPDE20110624_022150_000000523103_00420_48710_8022.N1	24-JUN-2011 02:21:50	Bright	52.000	116	19Del Sgr	2.7000	4100.0	104	48710	No
27	GOM_TRA_1PNPDE20110624_022358_000000483103_00420_48710_8023.N1	24-JUN-2011 02:23:58	Bright	48.000	155	41Pi Sgr	2.9000	6600.0	96	48710	No
28	GOM_TRA_1PNPDE20110624_023241_000000403103_00420_48710_8024.N1	24-JUN-2011 02:32:41	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	48710	No
29	GOM_TRA_1PNPDE20110624_023504_000000413103_00420_48710_8025.N1	24-JUN-2011 02:35:04	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	48710	No
30	GOM_TRA_1PNPDE20110624_024432_000000493103_00420_48710_8026.N1	24-JUN-2011 02:44:32	Bright	48.500	5	3Alp Lyr	0.033000	11000.	97	48710	No
31	GOM_TRA_1PNPDE20110624_024638_000000393103_00420_48710_8027.N1	24-JUN-2011 02:46:38	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48710	No
32	GOM_TRA_1PNPDE20110624_025612_000000453103_00420_48710_8028.N1	24-JUN-2011 02:56:12	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48710	No
33	GOM_TRA_1PNPDE20110624_030313_000000463103_00420_48710_8041.N1	24-JUN-2011 03:03:13	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	48710	No
34	GOM_TRA_1PNPDE20110624_030447_000000563103_00420_48710_8042.N1	24-JUN-2011 03:04:47	Bright	55.500	68	18Alp Cas	2.2250	4500.0	111	48710	No
35	GOM_TRA_1PNPDE20110624_030711_000000493103_00420_48710_8043.N1	24-JUN-2011 03:07:11	Bright	49.000	160	23Gam Per	2.9300	4700.0	98	48710	No
36	GOM_TRA_1PNPDE20110624_031035_000000443103_00420_48710_8044.N1	24-JUN-2011 03:10:35	Bright	44.000	73	57Gam1And	2.2600	13100.	88	48710	No
37	GOM_TRA_1PNPDE20110624_031300_000000613103_00420_48710_8045.N1	24-JUN-2011 03:13:00	Tw_i_and_stray	61.000	53	43Bet And	2.0480	3300.0	122	48710	No
38	GOM_TRA_1PNPDE20110624_031656_000000513103_00420_48710_8046.N1	24-JUN-2011 03:16:56	Dark	50.500	50	13Alp Ari	2.0070	4250.0	101	48710	No
39	GOM_TRA_1PNPDE20110624_033440_000000663103_00420_48710_8047.N1	24-JUN-2011 03:34:40	Dark	65.500	52	16Bet Cet	2.0370	4500.0	131	48710	No
40	GOM_TRA_1PNPDE20110624_034007_000000493103_00420_48710_8048.N1	24-JUN-2011 03:40:07	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48710	No
41	GOM_TRA_1PNPDE20110624_034634_000000523103_00421_48711_8049.N1	24-JUN-2011 03:46:34	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48711	No
42	GOM_TRA_1PNPDE20110624_034835_000000523103_00421_48711_8050.N1	24-JUN-2011 03:48:35	Straylight	52.000	31	Alp Gru	1.7340	15200.	104	48711	No
43	GOM_TRA_1PNPDE20110624_035134_000000423103_00421_48711_8051.N1	24-JUN-2011 03:51:34	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48711	No
44	GOM_TRA_1PNPDE20110624_040041_000000463103_00421_48711_8052.N1	24-JUN-2011 04:00:41	Tw_i_and_stray	46.000	38	20Eps Sgr	1.8360	11000.	92	48711	No
45	GOM_TRA_1PNPDE20110624_040205_000000483103_00421_48711_8053.N1	24-JUN-2011 04:02:05	Bright	47.500	116	19Del Sgr	2.7000	4100.0	95	48711	No
46	GOM_TRA_1PNPDE20110624_040413_000000513103_00421_48711_8054.N1	24-JUN-2011 04:04:13	Bright	50.500	155	41Pi Sgr	2.9000	6600.0	101	48711	No
47	GOM_TRA_1PNPDE20110624_041255_000000403103_00421_48711_8055.N1	24-JUN-2011 04:12:55	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	48711	No
48	GOM_TRA_1PNPDE20110624_041518_000000393103_00421_48711_8056.N1	24-JUN-2011 04:15:18	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	48711	No
49	GOM_TRA_1PNPDE20110624_042445_000000483103_00421_48711_8057.N1	24-JUN-2011 04:24:45	Bright	48.000	5	3Alp Lyr	0.033000	11000.	96	48711	No
50	GOM_TRA_1PNPDE20110624_042652_000000393103_00421_48711_8058.N1	24-JUN-2011 04:26:52	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48711	No
51	GOM_TRA_1PNPDE20110624_043625_000000463103_00421_48711_8059.N1	24-JUN-2011 04:36:25	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48711	No
52	GOM_TRA_1PNPDE20110624_044327_000000473103_00421_48711_8059.N1	24-JUN-2011 04:43:27	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	48711	No
53	GOM_TRA_1PNPDE20110624_044501_000000483103_00421_48711_8060.N1	24-JUN-2011 04:45:01	Bright	48.000	68	18Alp Cas	2.2250	4500.0	96	48711	No
54	GOM_TRA_1PNPDE20110624_044726_000000353103_00421_48711_8061.N1	24-JUN-2011 04:47:26	Bright	34.500	160	23Gam Per	2.9300	4700.0	69	48711	No
55	GOM_TRA_1PNPDE20110624_045049_000000453103_00421_48711_8062.N1	24-JUN-2011 04:50:49	Bright	44.500	73	57Gam1And	2.2600	13100.	89	48711	No
56	GOM_TRA_1PNPDE20110624_045314_000000653103_00421_48711_8063.N1	24-JUN-2011 04:53:14	Tw_i_and_stray	64.500	53	43Bet And	2.0480	3300.0	129	48711	No
57	GOM_TRA_1PNPDE20110624_045710_000000523103_00421_48711_8064.N1	24-JUN-2011 04:57:10	Dark	52.000	50	13Alp Ari	2.0070	4250.0	104	48711	No
58	GOM_TRA_1PNPDE20110624_051456_000000783103_00421_48711_8065.N1	24-JUN-2011 05:14:56	Dark	77.500	52	16Bet Cet	2.0370	4500.0	155	48711	No
59	GOM_TRA_1PNPDE20110624_052022_000000553103_00421_48711_8066.N1	24-JUN-2011 05:20:22	Dark	54.500	84	Alp Phe	2.3970	4500.0	109	48711	No
60	GOM_TRA_1PNPDE20110624_052649_000000553103_00422_48712_8067.N1	24-JUN-2011 05:26:49	Dark	55.000	63	Bet Gru	2.1500	2800.0	110	48712	No
61	GOM_TRA_1PNPDE20110624_052850_000000523103_00422_48712_8068.N1	24-JUN-2011 05:28:50	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	48712	No
62	GOM_TRA_1PNPDE20110624_053148_000000443103_00422_48712_8069.N1	24-JUN-2011 05:31:48	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	48712	No
63	GOM_TRA_1PNPDE20110624_054055_000000453103_00422_48712_8070.N1	24-JUN-2011 05:40:55	Tw_i_and_stray	45.000	38	20Eps Sgr	1.8360	11000.	90	48712	No
64	GOM_TRA_1PNPDE20110624_054219_000000583103_00422_48712_8071.N1	24-JUN-2011 05:42:19	Bright	58.000	116	19Del Sgr	2.7000	4100.0	116	48712	No
65	GOM_TRA_1PNPDE20110624_054427_000000503103_00422_48712_8072.N1	24-JUN-2011 05:44:27	Bright	49.500	155	41Pi Sgr	2.9000	6600.0	99	48712	No
66	GOM_TRA_1PNPDE20110624_055309_000000403103_00422_48712_8073.N1	24-JUN-2011 05:53:09	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	48712	No
67	GOM_TRA_1PNPDE20110624_055532_000000413103_00422_48712_8074.N1	24-JUN-2011 05:55:32	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	48712	No
68	GOM_TRA_1PNPDE20110624_060459_000000473103_00422_48712_8075.N1	24-JUN-2011 06:04:59	Bright	47.000	5	3Alp Lyr	0.033000	11000.	94	48712	No
69	GOM_TRA_1PNPDE20110624_060705_000000393103_00422_48712_8076.N1	24-JUN-2011 06:07:05	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	48712	No
70	GOM_TRA_1PNPDE20110624_061638_000000463103_00422_48712_8077.N1	24-JUN-2011 06:16:38	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48712	No
71	GOM_TRA_1PNPDK20110624_062340_000000473103_00422_48712_7985.N1	24-JUN-2011 06:23:40	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	48712	No

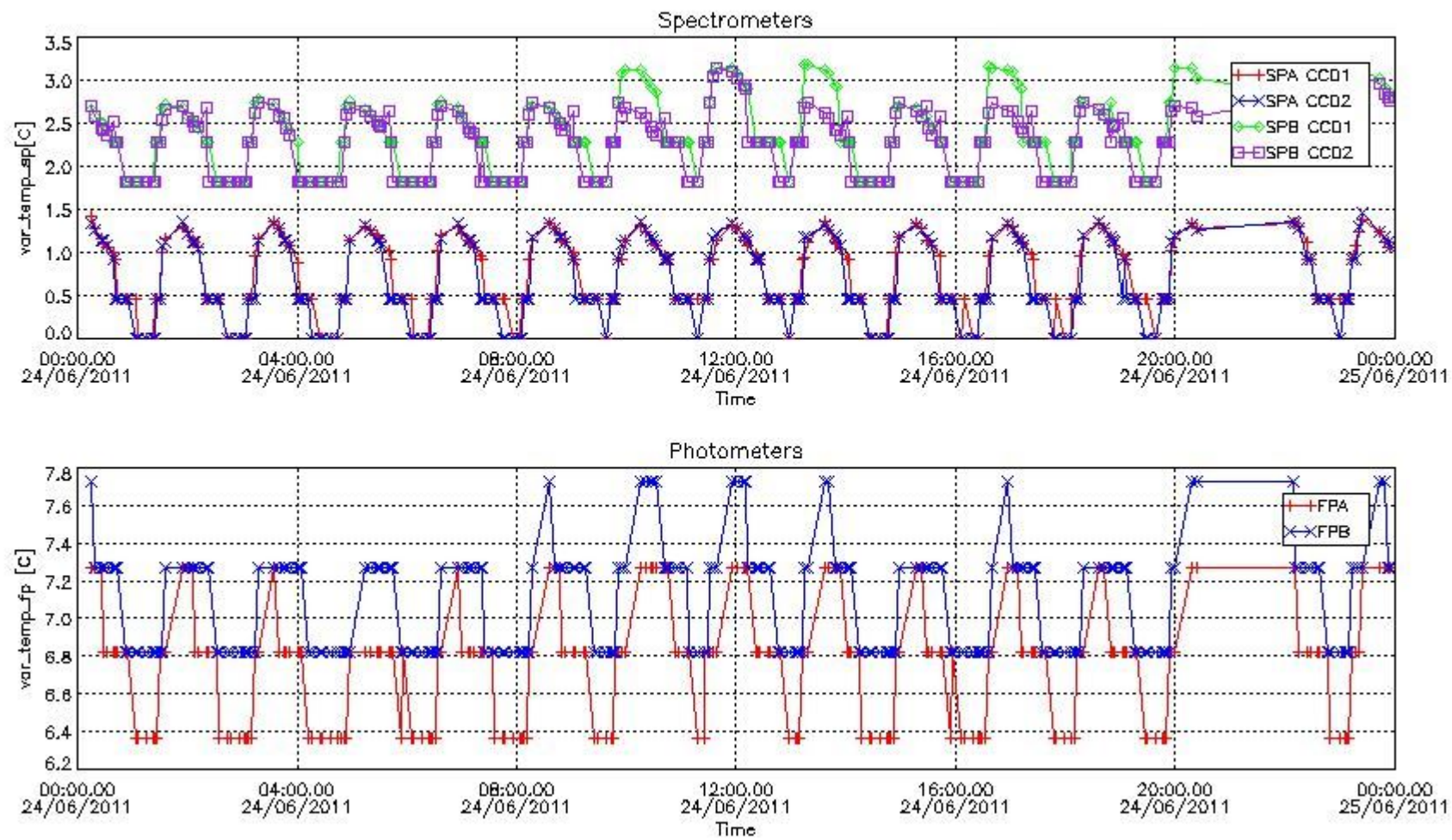
72	GOM_TRA_1PNPDK20110624_062515_000000463103_00422_48712_7986.N1	24-JUN-2011 06:25:15	Bright	46.000	68	18Alp Cas	2.2250	4500.0	92	48712	No
73	GOM_TRA_1PNPDK20110624_062739_000000403103_00422_48712_7987.N1	24-JUN-2011 06:27:39	Bright	40.000	160	23Gam Per	2.9300	4700.0	80	48712	No
74	GOM_TRA_1PNPDK20110624_063103_000000463103_00422_48712_7988.N1	24-JUN-2011 06:31:03	Bright	45.500	73	57Gam1And	2.2600	13100.	91	48712	No
75	GOM_TRA_1PNPDK20110624_063329_000000633103_00422_48712_7989.N1	24-JUN-2011 06:33:29	Tw_i_and_stray	62.500	53	43Bet And	2.0480	3300.0	125	48712	No
76	GOM_TRA_1PNPDK20110624_063725_000000543103_00422_48712_7990.N1	24-JUN-2011 06:37:25	Dark	53.500	50	13Alp Ari	2.0070	4250.0	107	48712	No
77	GOM_TRA_1PNPDK20110624_065511_000000703103_00422_48712_7991.N1	24-JUN-2011 06:55:11	Dark	70.000	52	16Bet Cet	2.0370	4500.0	140	48712	No
78	GOM_TRA_1PNPDK20110624_070037_000000473103_00423_48713_7992.N1	24-JUN-2011 07:00:37	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48713	No
79	GOM_TRA_1PNPDK20110624_070704_000000553103_00423_48713_7993.N1	24-JUN-2011 07:07:04	Dark	54.500	63	Bet Gru	2.1500	2800.0	109	48713	No
80	GOM_TRA_1PNPDK20110624_070905_000000483103_00423_48713_7994.N1	24-JUN-2011 07:09:05	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48713	No
81	GOM_TRA_1PNPDK20110624_071203_000000513103_00423_48713_7995.N1	24-JUN-2011 07:12:03	Straylight	50.500	45	Alp Pav	1.9400	26000.	101	48713	No
82	GOM_TRA_1PNPDK20110624_072109_000000483103_00423_48713_7996.N1	24-JUN-2011 07:21:09	Tw_i_and_stray	48.000	38	20Eps Sgr	1.8360	11000.	96	48713	No
83	GOM_TRA_1PNPDK20110624_072234_000000483103_00423_48713_7997.N1	24-JUN-2011 07:22:34	Bright	48.000	116	19Del Sgr	2.7000	4100.0	96	48713	No
84	GOM_TRA_1PNPDK20110624_072441_000000493103_00423_48713_7998.N1	24-JUN-2011 07:24:41	Bright	49.000	155	41Pi Sgr	2.9000	6600.0	98	48713	No
85	GOM_TRA_1PNPDK20110624_073323_000000393103_00423_48713_8041.N1	24-JUN-2011 07:33:23	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	48713	No
86	GOM_TRA_1PNPDK20110624_073546_000000573103_00423_48713_8042.N1	24-JUN-2011 07:35:46	Bright	57.000	59	55Alp Oph	2.0800	8900.0	114	48713	No
87	GOM_TRA_1PNPDK20110624_074512_000000493103_00423_48713_8043.N1	24-JUN-2011 07:45:12	Bright	49.000	5	3Alp Lyr	0.033000	11000.	98	48713	No
88	GOM_TRA_1PNPDK20110624_074719_000000393103_00423_48713_8044.N1	24-JUN-2011 07:47:19	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48713	No
89	GOM_TRA_1PNPDK20110624_075651_000000463103_00423_48713_8045.N1	24-JUN-2011 07:56:51	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48713	No
90	GOM_TRA_1PNPDK20110624_080354_000000653103_00423_48713_8046.N1	24-JUN-2011 08:03:54	Bright	64.500	74	11Bet Cas	2.2680	6600.0	129	48713	No
91	GOM_TRA_1PNPDK20110624_080528_000000673103_00423_48713_8047.N1	24-JUN-2011 08:05:28	Bright	67.000	68	18Alp Cas	2.2250	4500.0	134	48713	No
92	GOM_TRA_1PNPDK20110624_080753_000000553103_00423_48713_8048.N1	24-JUN-2011 08:07:53	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	48713	No
93	GOM_TRA_1PNPDK20110624_081117_000000453103_00423_48713_8049.N1	24-JUN-2011 08:11:17	Bright	45.000	73	57Gam1And	2.2600	13100.	90	48713	No
94	GOM_TRA_1PNPDK20110624_081342_000000633103_00423_48713_8050.N1	24-JUN-2011 08:13:42	Tw_i_and_stray	62.500	53	43Bet And	2.0480	3300.0	125	48713	No
95	GOM_TRA_1PNPDK20110624_081739_000000543103_00423_48713_8051.N1	24-JUN-2011 08:17:39	Dark	54.000	50	13Alp Ari	2.0070	4250.0	108	48713	No
96	GOM_TRA_1PNPDK20110624_083527_000000683103_00423_48713_8052.N1	24-JUN-2011 08:35:27	Dark	68.000	52	16Bet Cet	2.0370	4500.0	136	48713	No
97	GOM_TRA_1PNPDK20110624_084052_000000543103_00424_48714_8053.N1	24-JUN-2011 08:40:52	Dark	53.500	84	Alp Phe	2.3970	4500.0	107	48714	No
98	GOM_TRA_1PNPDK20110624_084719_000000643103_00424_48714_8054.N1	24-JUN-2011 08:47:19	Straylight	64.000	63	Bet Gru	2.1500	2800.0	128	48714	No
99	GOM_TRA_1PNPDK20110624_084920_000000503103_00424_48714_8055.N1	24-JUN-2011 08:49:20	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	48714	No
100	GOM_TRA_1PNPDK20110624_085217_000000483103_00424_48714_8056.N1	24-JUN-2011 08:52:17	Straylight	47.500	45	Alp Pav	1.9400	26000.	95	48714	No
101	GOM_TRA_1PNPDK20110624_090124_000000453103_00424_48714_8057.N1	24-JUN-2011 09:01:24	Tw_i_and_stray	45.000	38	20Eps Sgr	1.8360	11000.	90	48714	No
102	GOM_TRA_1PNPDK20110624_090248_000000523103_00424_48714_8058.N1	24-JUN-2011 09:02:48	Bright	51.500	116	19Del Sgr	2.7000	4100.0	103	48714	No
103	GOM_TRA_1PNPDK20110624_090455_000000493103_00424_48714_8059.N1	24-JUN-2011 09:04:55	Bright	49.000	155	41Pi Sgr	2.9000	6600.0	98	48714	No
104	GOM_TRA_1PNPDK20110624_091337_000000403103_00424_48714_8068.N1	24-JUN-2011 09:13:37	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	48714	No
105	GOM_TRA_1PNPDK20110624_091559_000000403103_00424_48714_8069.N1	24-JUN-2011 09:15:59	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	48714	No
106	GOM_TRA_1PNPDK20110624_092526_000000483103_00424_48714_8070.N1	24-JUN-2011 09:25:26	Bright	47.500	5	3Alp Lyr	0.033000	11000.	95	48714	No
107	GOM_TRA_1PNPDK20110624_092733_000000393103_00424_48714_8071.N1	24-JUN-2011 09:27:33	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48714	No
108	GOM_TRA_1PNPDK20110624_093705_000000473103_00424_48714_8072.N1	24-JUN-2011 09:37:05	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48714	No
109	GOM_TRA_1PNPDK20110624_094408_000000453103_00424_48714_8073.N1	24-JUN-2011 09:44:08	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	48714	No
110	GOM_TRA_1PNPDK20110624_094542_000000483103_00424_48714_8074.N1	24-JUN-2011 09:45:42	Bright	48.000	68	18Alp Cas	2.2250	4500.0	96	48714	No
111	GOM_TRA_1PNPDK20110624_094807_000000343103_00424_48714_8075.N1	24-JUN-2011 09:48:07	Bright	34.000	160	23Gam Per	2.9300	4700.0	68	48714	No
112	GOM_TRA_1PNPDK20110624_095131_000000463103_00424_48714_8076.N1	24-JUN-2011 09:51:31	Bright	46.000	73	57Gam1And	2.2600	13100.	92	48714	No
113	GOM_TRA_1PNPDK20110624_095357_000000633103_00424_48714_8077.N1	24-JUN-2011 09:53:57	Tw_i_and_stray	63.000	53	43Bet And	2.0480	3300.0	126	48714	No
114	GOM_TRA_1PNPDK20110624_095753_000000523103_00424_48714_8078.N1	24-JUN-2011 09:57:53	Dark	52.000	50	13Alp Ari	2.0070	4250.0	104	48714	No
115	GOM_TRA_1PNPDK20110624_101542_000000693103_00424_48714_8079.N1	24-JUN-2011 10:15:42	Dark	68.500	52	16Bet Cet	2.0370	4500.0	137	48714	No
116	GOM_TRA_1PNPDK20110624_102107_000000523103_00425_48715_8080.N1	24-JUN-2011 10:21:07	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	48715	No
117	GOM_TRA_1PNPDK20110624_102734_000000533103_00425_48715_8081.N1	24-JUN-2011 10:27:34	Dark	52.500	63	Bet Gru	2.1500	2800.0	105	48715	No
118	GOM_TRA_1PNPDK20110624_102935_000000503103_00425_48715_8082.N1	24-JUN-2011 10:29:35	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	48715	No
119	GOM_TRA_1PNPDK20110624_103232_000000473103_00425_48715_8083.N1	24-JUN-2011 10:32:32	Straylight	47.000	45	Alp Pav	1.9400	26000.	94	48715	No
120	GOM_TRA_1PNPDK20110624_104138_000000473103_00425_48715_8084.N1	24-JUN-2011 10:41:38	Tw_i_and_stray	46.500	38	20Eps Sgr	1.8360	11000.	93	48715	No
121	GOM_TRA_1PNPDK20110624_104302_000000483103_00425_48715_8085.N1	24-JUN-2011 10:43:02	Bright	47.500	116	19Del Sgr	2.7000	4100.0	95	48715	No
122	GOM_TRA_1PNPDK20110624_104510_000000493103_00425_48715_8086.N1	24-JUN-2011 10:45:10	Bright	49.000	155	41Pi Sgr	2.9000	6600.0	98	48715	No
123	GOM_TRA_1PNPDK20110624_105351_000000403103_00425_48715_8108.N1	24-JUN-2011 10:53:51	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48715	No
124	GOM_TRA_1PNPDK20110624_105613_000000403103_00425_48715_8109.N1	24-JUN-2011 10:56:13	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	48715	No
125	GOM_TRA_1PNPDK20110624_110539_000000513103_00425_48715_8110.N1	24-JUN-2011 11:05:39	Bright	51.000	5	3Alp Lyr	0.033000	11000.	102	48715	No
126	GOM_TRA_1PNPDK20110624_110747_000000403103_00425_48715_8111.N1	24-JUN-2011 11:07:47	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48715	No
127	GOM_TRA_1PNPDK20110624_111718_000000483103_00425_48715_8112.N1	24-JUN-2011 11:17:18	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48715	No
128	GOM_TRA_1PNPDK20110624_112421_000000473103_00425_48715_8113.N1	24-JUN-2011 11:24:21	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	48715	No
129	GOM_TRA_1PNPDK20110624_112556_000000533103_00425_48715_8114.N1	24-JUN-2011 11:25:56	Bright	53.000	68	18Alp Cas	2.2250	4500.0	106	48715	No
130	GOM_TRA_1PNPDK20110624_112821_000000353103_00425_48715_8115.N1	24-JUN-2011 11:28:21	Bright	35.000	160	23Gam Per	2.9300	4700.0	70	48715	No

131	GOM_TRA_1PNPDK20110624_113145_000000453103_00425_48715_8116.N1	24-JUN-2011 11:31:45	Bright	45.000	73	57Gam1And	2.2600	13100.	90	48715	No
132	GOM_TRA_1PNPDK20110624_113410_000000633103_00425_48715_8117.N1	24-JUN-2011 11:34:10	Twilight	63.000	53	43Bet And	2.0480	3300.0	126	48715	No
133	GOM_TRA_1PNPDK20110624_113808_000000523103_00425_48715_8118.N1	24-JUN-2011 11:38:08	Dark	51.500	50	13Alp Ari	2.0070	4250.0	103	48715	No
134	GOM_TRA_1PNPDK20110624_115558_000000693103_00425_48715_8119.N1	24-JUN-2011 11:55:58	Dark	68.500	52	16Bet Cet	2.0370	4500.0	137	48715	No
135	GOM_TRA_1PNPDK20110624_120122_000000513103_00426_48716_8120.N1	24-JUN-2011 12:01:22	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	48716	No
136	GOM_TRA_1PNPDK20110624_120749_000000543103_00426_48716_8121.N1	24-JUN-2011 12:07:49	Dark	54.000	63	Bet Gru	2.1500	2800.0	108	48716	No
137	GOM_TRA_1PNPDK20110624_120950_000000513103_00426_48716_8122.N1	24-JUN-2011 12:09:50	Straylight	50.500	31	Alp Gru	1.7340	15200.	101	48716	No
138	GOM_TRA_1PNPDK20110624_121246_000000423103_00426_48716_8123.N1	24-JUN-2011 12:12:46	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48716	No
139	GOM_TRA_1PNPDK20110624_122152_000000483103_00426_48716_8124.N1	24-JUN-2011 12:21:52	Twilight	48.000	38	20Eps Sgr	1.8360	11000.	96	48716	No
140	GOM_TRA_1PNPDK20110624_122316_000000473103_00426_48716_8125.N1	24-JUN-2011 12:23:16	Bright	46.500	116	19Del Sgr	2.7000	4100.0	93	48716	No
141	GOM_TRA_1PNPDK20110624_122524_000000473103_00426_48716_8126.N1	24-JUN-2011 12:25:24	Bright	46.500	155	41Pi Sgr	2.9000	6600.0	93	48716	No
142	GOM_TRA_1PNPDK20110624_123404_000000403103_00426_48716_8137.N1	24-JUN-2011 12:34:04	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	48716	No
143	GOM_TRA_1PNPDK20110624_123627_000000383103_00426_48716_8138.N1	24-JUN-2011 12:36:27	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	48716	No
144	GOM_TRA_1PNPDK20110624_124552_000000443103_00426_48716_8139.N1	24-JUN-2011 12:45:52	Bright	43.500	5	3Alp Lyr	0.033000	11000.	87	48716	No
145	GOM_TRA_1PNPDK20110624_124800_000000393103_00426_48716_8140.N1	24-JUN-2011 12:48:00	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48716	No
146	GOM_TRA_1PNPDK20110624_125731_000000473103_00426_48716_8141.N1	24-JUN-2011 12:57:31	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48716	No
147	GOM_TRA_1PNPDK20110624_130435_000000463103_00426_48716_8142.N1	24-JUN-2011 13:04:35	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	48716	No
148	GOM_TRA_1PNPDK20110624_130609_000000473103_00426_48716_8143.N1	24-JUN-2011 13:06:09	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	48716	No
149	GOM_TRA_1PNPDK20110624_130835_000000373103_00426_48716_8144.N1	24-JUN-2011 13:08:35	Bright	36.500	160	23Gam Per	2.9300	4700.0	73	48716	No
150	GOM_TRA_1PNPDK20110624_131159_000000543103_00426_48716_8145.N1	24-JUN-2011 13:11:59	Bright	54.000	73	57Gam1And	2.2600	13100.	108	48716	No
151	GOM_TRA_1PNPDK20110624_131424_000000573103_00426_48716_8146.N1	24-JUN-2011 13:14:24	Twilight	57.000	53	43Bet And	2.0480	3300.0	114	48716	No
152	GOM_TRA_1PNPDK20110624_131822_000000523103_00426_48716_8147.N1	24-JUN-2011 13:18:22	Dark	52.000	50	13Alp Ari	2.0070	4250.0	104	48716	No
153	GOM_TRA_1PNPDK20110624_133613_000000733103_00426_48716_8148.N1	24-JUN-2011 13:36:13	Dark	72.500	52	16Bet Cet	2.0370	4500.0	145	48716	No
154	GOM_TRA_1PNPDK20110624_134136_000000563103_00427_48717_8149.N1	24-JUN-2011 13:41:36	Dark	56.000	84	Alp Phe	2.3970	4500.0	112	48717	No
155	GOM_TRA_1PNPDK20110624_134804_000000513103_00427_48717_8150.N1	24-JUN-2011 13:48:04	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	48717	No
156	GOM_TRA_1PNPDK20110624_135005_000000493103_00427_48717_8151.N1	24-JUN-2011 13:50:05	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48717	No
157	GOM_TRA_1PNPDK20110624_135301_000000423103_00427_48717_8152.N1	24-JUN-2011 13:53:01	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48717	No
158	GOM_TRA_1PNPDK20110624_140206_000000453103_00427_48717_8153.N1	24-JUN-2011 14:02:06	Twilight	44.500	38	20Eps Sgr	1.8360	11000.	89	48717	No
159	GOM_TRA_1PNPDK20110624_140330_000000583103_00427_48717_8154.N1	24-JUN-2011 14:03:30	Bright	58.000	116	19Del Sgr	2.7000	4100.0	116	48717	No
160	GOM_TRA_1PNPDK20110624_140538_000000483103_00427_48717_8155.N1	24-JUN-2011 14:05:38	Bright	48.000	155	41Pi Sgr	2.9000	6600.0	96	48717	No
161	GOM_TRA_1PNPDK20110624_141418_000000393103_00427_48717_8187.N1	24-JUN-2011 14:14:18	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	48717	No
162	GOM_TRA_1PNPDK20110624_141641_000000393103_00427_48717_8188.N1	24-JUN-2011 14:16:41	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	48717	No
163	GOM_TRA_1PNPDK20110624_142605_000000463103_00427_48717_8189.N1	24-JUN-2011 14:26:05	Bright	46.000	5	3Alp Lyr	0.033000	11000.	92	48717	No
164	GOM_TRA_1PNPDK20110624_142814_000000403103_00427_48717_8190.N1	24-JUN-2011 14:28:14	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48717	No
165	GOM_TRA_1PNPDK20110624_143745_000000463103_00427_48717_8191.N1	24-JUN-2011 14:37:45	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48717	No
166	GOM_TRA_1PNPDK20110624_144448_000000463103_00427_48717_8192.N1	24-JUN-2011 14:44:48	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	48717	No
167	GOM_TRA_1PNPDK20110624_144623_000000453103_00427_48717_8193.N1	24-JUN-2011 14:46:23	Bright	44.500	68	18Alp Cas	2.2250	4500.0	89	48717	No
168	GOM_TRA_1PNPDK20110624_144849_000000483103_00427_48717_8194.N1	24-JUN-2011 14:48:49	Bright	48.000	160	23Gam Per	2.9300	4700.0	96	48717	No
169	GOM_TRA_1PNPDK20110624_145213_000000453103_00427_48717_8195.N1	24-JUN-2011 14:52:13	Bright	44.500	73	57Gam1And	2.2600	13100.	89	48717	No
170	GOM_TRA_1PNPDK20110624_145438_000000573103_00427_48717_8196.N1	24-JUN-2011 14:54:38	Twilight	57.000	53	43Bet And	2.0480	3300.0	114	48717	No
171	GOM_TRA_1PNPDK20110624_145836_000000533103_00427_48717_8197.N1	24-JUN-2011 14:58:36	Dark	52.500	50	13Alp Ari	2.0070	4250.0	105	48717	No
172	GOM_TRA_1PNPDK20110624_151628_000000773103_00427_48717_8198.N1	24-JUN-2011 15:16:28	Dark	77.000	52	16Bet Cet	2.0370	4500.0	154	48717	No
173	GOM_TRA_1PNPDK20110624_152151_000000493103_00428_48718_8199.N1	24-JUN-2011 15:21:51	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48718	No
174	GOM_TRA_1PNPDK20110624_152819_000000523103_00428_48718_8200.N1	24-JUN-2011 15:28:19	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48718	No
175	GOM_TRA_1PNPDK20110624_153020_000000503103_00428_48718_8201.N1	24-JUN-2011 15:30:20	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	48718	No
176	GOM_TRA_1PNPDK20110624_153315_000000423103_00428_48718_8202.N1	24-JUN-2011 15:33:15	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48718	No
177	GOM_TRA_1PNPDK20110624_154220_000000463103_00428_48718_8203.N1	24-JUN-2011 15:42:20	Twilight	46.000	38	20Eps Sgr	1.8360	11000.	92	48718	No
178	GOM_TRA_1PNPDK20110624_154344_000000483103_00428_48718_8204.N1	24-JUN-2011 15:43:44	Bright	48.000	116	19Del Sgr	2.7000	4100.0	96	48718	No
179	GOM_TRA_1PNPDK20110624_154552_000000503103_00428_48718_8207.N1	24-JUN-2011 15:45:52	Bright	50.000	155	41Pi Sgr	2.9000	6600.0	100	48718	No
180	GOM_TRA_1PNPDK20110624_155432_000000403103_00428_48718_8208.N1	24-JUN-2011 15:54:32	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	48718	No
181	GOM_TRA_1PNPDK20110624_155655_000000393103_00428_48718_8209.N1	24-JUN-2011 15:56:55	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	48718	No
182	GOM_TRA_1PNPDK20110624_160619_000000493103_00428_48718_8210.N1	24-JUN-2011 16:06:19	Bright	49.000	5	3Alp Lyr	0.033000	11000.	98	48718	No
183	GOM_TRA_1PNPDK20110624_160828_000000403103_00428_48718_8211.N1	24-JUN-2011 16:08:28	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48718	No
184	GOM_TRA_1PNPDK20110624_161758_000000463103_00428_48718_8212.N1	24-JUN-2011 16:17:58	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48718	No
185	GOM_TRA_1PNPDK20110624_162502_000000463103_00428_48718_8213.N1	24-JUN-2011 16:25:02	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	48718	No
186	GOM_TRA_1PNPDK20110624_162636_000000483103_00428_48718_8214.N1	24-JUN-2011 16:26:36	Bright	48.000	68	18Alp Cas	2.2250	4500.0	96	48718	No
187	GOM_TRA_1PNPDK20110624_162903_000000353103_00428_48718_8215.N1	24-JUN-2011 16:29:03	Bright	34.500	160	23Gam Per	2.9300	4700.0	69	48718	No
188	GOM_TRA_1PNPDK20110624_163227_000000473103_00428_48718_8216.N1	24-JUN-2011 16:32:27	Bright	46.500	73	57Gam1And	2.2600	13100.	93	48718	No
189	GOM_TRA_1PNPDK20110624_163452_000000503103_00428_48718_8217.N1	24-JUN-2011 16:34:52	Twilight	50.000	53	43Bet And	2.0480	3300.0	100	48718	No

190	GOM_TRA_1PNPDK20110624_163850_000000513103_00428_48718_8218.N1	24-JUN-2011 16:38:50	Dark	50.500	50	13Alp Ari	2.0070	4250.0	101	48718	No
191	GOM_TRA_1PNPDK20110624_165644_000000693103_00428_48718_8219.N1	24-JUN-2011 16:56:44	Dark	68.500	52	16Bet Cet	2.0370	4500.0	137	48718	No
192	GOM_TRA_1PNPDK20110624_170206_000000553103_00429_48719_8220.N1	24-JUN-2011 17:02:06	Dark	55.000	84	Alp Phe	2.3970	4500.0	110	48719	No
193	GOM_TRA_1PNPDK20110624_170834_000000523103_00429_48719_8221.N1	24-JUN-2011 17:08:34	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48719	No
194	GOM_TRA_1PNPDK20110624_171035_000000493103_00429_48719_8222.N1	24-JUN-2011 17:10:35	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48719	No
195	GOM_TRA_1PNPDK20110624_171330_000000413103_00429_48719_8223.N1	24-JUN-2011 17:13:30	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	48719	No
196	GOM_TRA_1PNPDK20110624_172235_000000463103_00429_48719_8228.N1	24-JUN-2011 17:22:35	Tw_i_and_stray	46.000	38	20Eps Sgr	1.8360	11000.	92	48719	No
197	GOM_TRA_1PNPDK20110624_172359_000000473103_00429_48719_8229.N1	24-JUN-2011 17:23:59	Bright	46.500	116	19Del Sgr	2.7000	4100.0	93	48719	No
198	GOM_TRA_1PNPDK20110624_172606_000000503103_00429_48719_8230.N1	24-JUN-2011 17:26:06	Bright	50.000	155	41Pi Sgr	2.9000	6600.0	100	48719	No
199	GOM_TRA_1PNPDK20110624_173446_000000393103_00429_48719_8231.N1	24-JUN-2011 17:34:46	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	48719	No
200	GOM_TRA_1PNPDK20110624_173708_000000413103_00429_48719_8232.N1	24-JUN-2011 17:37:08	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	48719	No
201	GOM_TRA_1PNPDK20110624_174632_000000473103_00429_48719_8233.N1	24-JUN-2011 17:46:32	Bright	46.500	5	3Alp Lyr	0.033000	11000.	93	48719	No
202	GOM_TRA_1PNPDK20110624_174842_000000393103_00429_48719_8234.N1	24-JUN-2011 17:48:42	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	48719	No
203	GOM_TRA_1PNPDK20110624_175811_000000473103_00429_48719_8235.N1	24-JUN-2011 17:58:11	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48719	No
204	GOM_TRA_1PNPDK20110624_180515_000000493103_00429_48719_8236.N1	24-JUN-2011 18:05:15	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	48719	No
205	GOM_TRA_1PNPDK20110624_180650_000000493103_00429_48719_8237.N1	24-JUN-2011 18:06:50	Bright	48.500	68	18Alp Cas	2.2250	4500.0	97	48719	No
206	GOM_TRA_1PNPDK20110624_180917_000000433103_00429_48719_8238.N1	24-JUN-2011 18:09:17	Bright	43.000	160	23Gam Per	2.9300	4700.0	86	48719	No
207	GOM_TRA_1PNPDK20110624_181241_000000473103_00429_48719_8239.N1	24-JUN-2011 18:12:41	Bright	46.500	73	57Gam1And	2.2600	13100.	93	48719	No
208	GOM_TRA_1PNPDK20110624_181506_000000503103_00429_48719_8240.N1	24-JUN-2011 18:15:06	Tw_i_and_stray	50.000	53	43Bet And	2.0480	3300.0	100	48719	No
209	GOM_TRA_1PNPDK20110624_181905_000000533103_00429_48719_8241.N1	24-JUN-2011 18:19:05	Dark	52.500	50	13Alp Ari	2.0070	4250.0	105	48719	No
210	GOM_TRA_1PNPDK20110624_183700_000000613103_00429_48719_8242.N1	24-JUN-2011 18:37:00	Dark	61.000	52	16Bet Cet	2.0370	4500.0	122	48719	No
211	GOM_TRA_1PNPDK20110624_184221_000000473103_00430_48720_8243.N1	24-JUN-2011 18:42:21	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	48720	No
212	GOM_TRA_1PNPDK20110624_184849_000000523103_00430_48720_8244.N1	24-JUN-2011 18:48:49	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48720	No
213	GOM_TRA_1PNPDK20110624_185050_000000483103_00430_48720_8245.N1	24-JUN-2011 18:50:50	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	48720	No
214	GOM_TRA_1PNPDK20110624_185344_000000413103_00430_48720_8246.N1	24-JUN-2011 18:53:44	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48720	No
215	GOM_TRA_1PNPDK20110624_190249_000000483103_00430_48720_8257.N1	24-JUN-2011 19:02:49	Tw_i_and_stray	47.500	38	20Eps Sgr	1.8360	11000.	95	48720	No
216	GOM_TRA_1PNPDK20110624_190413_000000493103_00430_48720_8258.N1	24-JUN-2011 19:04:13	Bright	48.500	116	19Del Sgr	2.7000	4100.0	97	48720	No
217	GOM_TRA_1PNPDK20110624_190621_000000503103_00430_48720_8259.N1	24-JUN-2011 19:06:21	Bright	50.000	155	41Pi Sgr	2.9000	6600.0	100	48720	No
218	GOM_TRA_1PNPDK20110624_191500_000000393103_00430_48720_8260.N1	24-JUN-2011 19:15:00	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	48720	No
219	GOM_TRA_1PNPDK20110624_191722_000000403103_00430_48720_8261.N1	24-JUN-2011 19:17:22	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	48720	No
220	GOM_TRA_1PNPDK20110624_192646_000000463103_00430_48720_8262.N1	24-JUN-2011 19:26:46	Bright	45.500	5	3Alp Lyr	0.033000	11000.	91	48720	No
221	GOM_TRA_1PNPDK20110624_192856_000000403103_00430_48720_8263.N1	24-JUN-2011 19:28:56	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48720	No
222	GOM_TRA_1PNPDK20110624_193825_000000483103_00430_48720_8264.N1	24-JUN-2011 19:38:25	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48720	No
223	GOM_TRA_1PNPDK20110624_194529_000000563103_00430_48720_8265.N1	24-JUN-2011 19:45:29	Bright	56.000	74	11Bet Cas	2.2680	6600.0	112	48720	No
224	GOM_TRA_1PNPDK20110624_194704_000000463103_00430_48720_8266.N1	24-JUN-2011 19:47:04	Bright	46.000	68	18Alp Cas	2.2250	4500.0	92	48720	No
225	GOM_TRA_1PNPDK20110624_194931_000000553103_00430_48720_8267.N1	24-JUN-2011 19:49:31	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	48720	No
226	GOM_TRA_1PNPDK20110624_195255_000000443103_00430_48720_8268.N1	24-JUN-2011 19:52:55	Bright	43.500	73	57Gam1And	2.2600	13100.	87	48720	No
227	GOM_TRA_1PNPDK20110624_195520_000000463103_00430_48720_8269.N1	24-JUN-2011 19:55:20	Tw_i_and_stray	46.000	53	43Bet And	2.0480	3300.0	92	48720	No
228	GOM_TRA_1PNPDK20110624_195919_000000563103_00430_48720_8270.N1	24-JUN-2011 19:59:19	Dark	55.500	50	13Alp Ari	2.0070	4250.0	111	48720	No
229	GOM_TRA_1PNPDK20110624_201715_000000633103_00430_48720_8271.N1	24-JUN-2011 20:17:15	Dark	62.500	52	16Bet Cet	2.0370	4500.0	125	48720	No
230	GOM_TRA_1PNPDK20110624_202236_000000483103_00431_48721_8272.N1	24-JUN-2011 20:22:36	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	48721	No
231	GOM_TRA_1PNPDE20110624_220919_000000533104_00001_48722_8197.N1	24-JUN-2011 22:09:19	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	48722	No
232	GOM_TRA_1PNPDE20110624_221119_000000523104_00001_48722_8198.N1	24-JUN-2011 22:11:19	Straylight	52.000	31	Alp Gru	1.7340	15200.	104	48722	No
233	GOM_TRA_1PNPDE20110624_221414_000000423104_00001_48722_8199.N1	24-JUN-2011 22:14:14	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48722	No
234	GOM_TRA_1PNPDE20110624_222318_000000443104_00001_48722_8200.N1	24-JUN-2011 22:23:18	Tw_i_and_stray	43.500	38	20Eps Sgr	1.8360	11000.	87	48722	No
235	GOM_TRA_1PNPDE20110624_222442_000000563104_00001_48722_8201.N1	24-JUN-2011 22:24:42	Bright	56.000	116	19Del Sgr	2.7000	4100.0	112	48722	No
236	GOM_TRA_1PNPDE20110624_222649_000000493104_00001_48722_8202.N1	24-JUN-2011 22:26:49	Bright	49.000	155	41Pi Sgr	2.9000	6600.0	98	48722	No
237	GOM_TRA_1PNPDE20110624_223528_000000393104_00001_48722_8203.N1	24-JUN-2011 22:35:28	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	48722	No
238	GOM_TRA_1PNPDE20110624_223750_000000393104_00001_48722_8204.N1	24-JUN-2011 22:37:50	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	48722	No
239	GOM_TRA_1PNPDE20110624_224712_000000443104_00001_48722_8205.N1	24-JUN-2011 22:47:12	Bright	43.500	5	3Alp Lyr	0.033000	11000.	87	48722	No
240	GOM_TRA_1PNPDE20110624_224923_000000383104_00001_48722_8206.N1	24-JUN-2011 22:49:23	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	48722	No
241	GOM_TRA_1PNPDE20110624_225851_000000493104_00001_48722_8207.N1	24-JUN-2011 22:58:51	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48722	No
242	GOM_TRA_1PNPDE20110624_230556_000000453104_00001_48722_8208.N1	24-JUN-2011 23:05:56	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	48722	No
243	GOM_TRA_1PNPDE20110624_230731_000000483104_00001_48722_8209.N1	24-JUN-2011 23:07:31	Bright	47.500	68	18Alp Cas	2.2250	4500.0	95	48722	No
244	GOM_TRA_1PNPDE20110624_230959_000000363104_00001_48722_8210.N1	24-JUN-2011 23:09:59	Bright	35.500	160	23Gam Per	2.9300	4700.0	71	48722	No
245	GOM_TRA_1PNPDE20110624_231323_000000463104_00001_48722_8211.N1	24-JUN-2011 23:13:23	Bright	46.000	73	57Gam1And	2.2600	13100.	92	48722	No
246	GOM_TRA_1PNPDE20110624_231551_000000473104_00001_48722_8212.N1	24-JUN-2011 23:15:51	Tw_i_and_stray	47.000	173	4Bet Tri	3.0040	8900.0	94	48722	No
247	GOM_TRA_1PNPDE20110624_231947_000000533104_00001_48722_8213.N1	24-JUN-2011 23:19:47	Dark	52.500	50	13Alp Ari	2.0070	4250.0	105	48722	No
248	GOM_TRA_1PNPDE20110624_232440_000000373104_00001_48722_8214.N1	24-JUN-2011 23:24:40	Dark	36.500	94	92Alp Cet	2.5260	3100.0	73	48722	No

249	GOM_TRA_1PNPDE20110624_234306_000000503104_00002_48723_8217.N1	24-JUN-2011 23:43:06	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	48723	No
250	GOM_TRA_1PNPDE20110624_234934_000000533104_00002_48723_8218.N1	24-JUN-2011 23:49:34	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	48723	No
251	GOM_TRA_1PNPDE20110624_235134_000000533104_00002_48723_8219.N1	24-JUN-2011 23:51:34	Straylight	52.500	31	Alp Gru	1.7340	15200.	105	48723	No
252	GOM_TRA_1PNPDE20110624_235428_000000483104_00002_48723_8220.N1	24-JUN-2011 23:54:28	Straylight	47.500	45	Alp Pav	1.9400	26000.	95	48723	No

3. Plot of GOMOS spectrometers and photometers temperatures from level 1b data



4. Overview of dark signal processing per product

The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

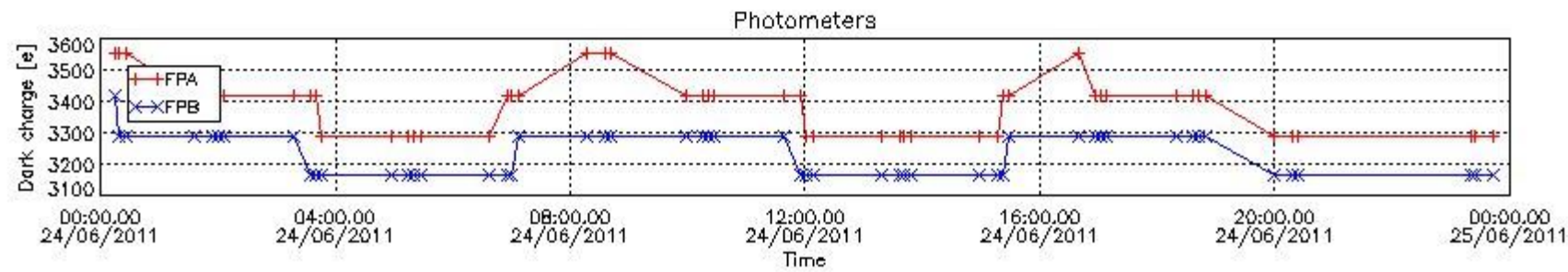
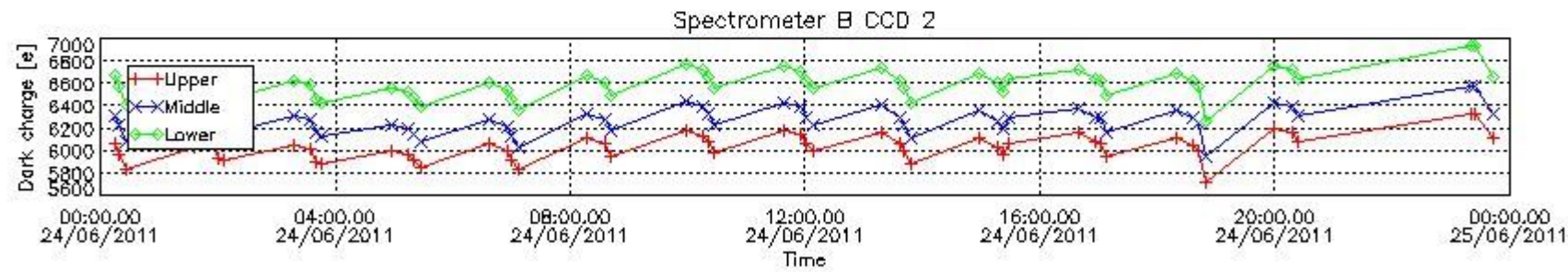
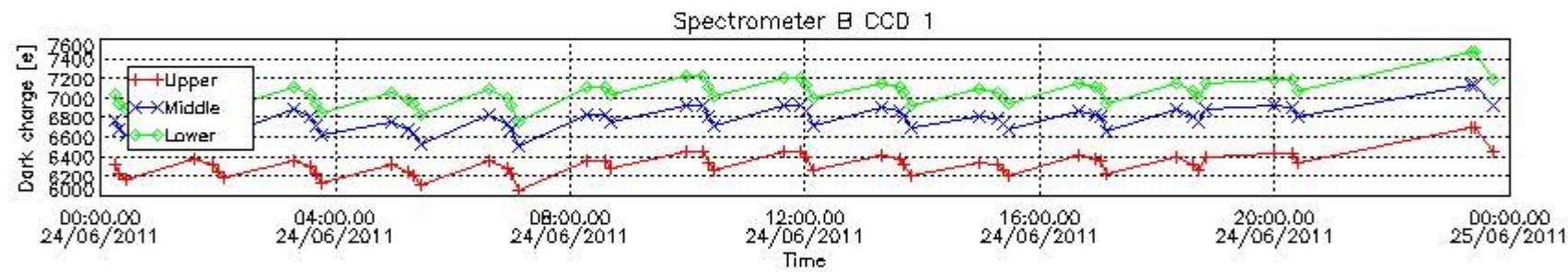
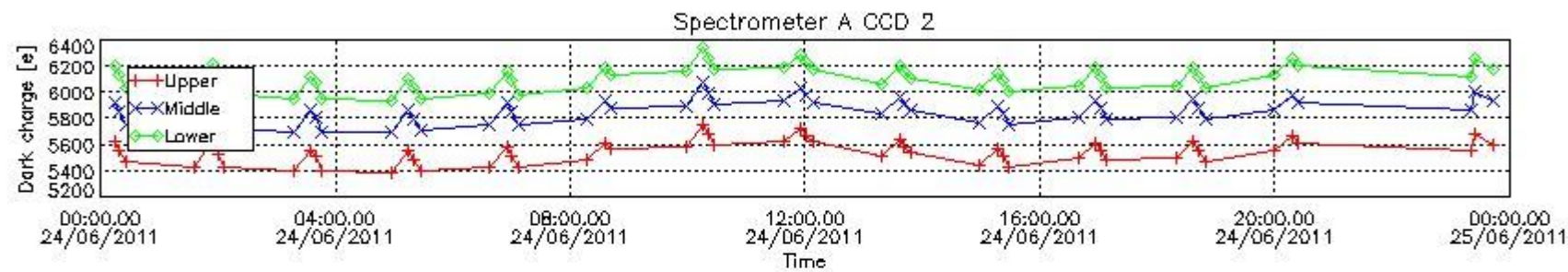
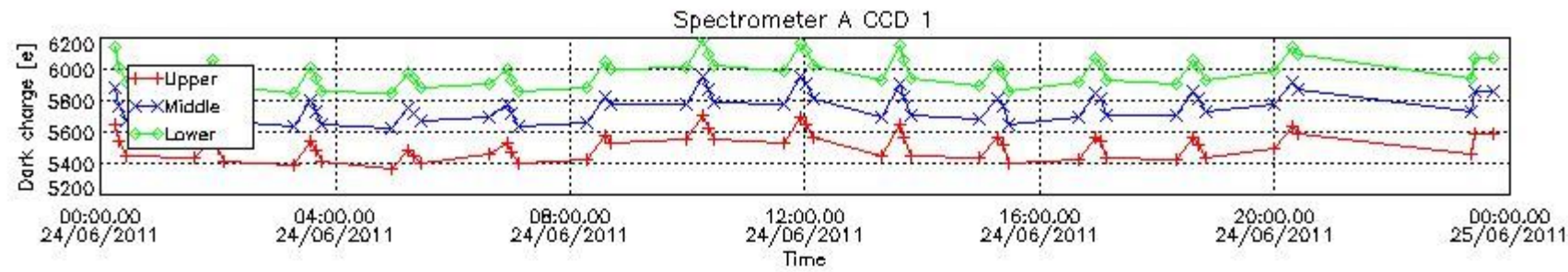
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20110624_220919_000000533104_00001_48722_8197.N1	DC map used
GOM_TRA_1PNPDE20110624_221119_000000523104_00001_48722_8198.N1	DC map used
GOM_TRA_1PNPDE20110624_221414_000000423104_00001_48722_8199.N1	DC map used
GOM_TRA_1PNPDE20110624_222318_000000443104_00001_48722_8200.N1	DC map used
GOM_TRA_1PNPDE20110624_222442_000000563104_00001_48722_8201.N1	DC map used
GOM_TRA_1PNPDE20110624_222649_000000493104_00001_48722_8202.N1	DC map used

GOM_TRA_1PNPDE20110624_223528_000000393104_00001_48722_8203.N1	DC map used
GOM_TRA_1PNPDE20110624_223750_000000393104_00001_48722_8204.N1	DC map used
GOM_TRA_1PNPDE20110624_224712_000000443104_00001_48722_8205.N1	DC map used
GOM_TRA_1PNPDE20110624_224923_000000383104_00001_48722_8206.N1	DC map used
GOM_TRA_1PNPDE20110624_225851_000000493104_00001_48722_8207.N1	DC map used
GOM_TRA_1PNPDE20110624_230556_000000453104_00001_48722_8208.N1	DC map used
GOM_TRA_1PNPDE20110624_230731_000000483104_00001_48722_8209.N1	DC map used
GOM_TRA_1PNPDE20110624_230959_000000363104_00001_48722_8210.N1	DC map used
GOM_TRA_1PNPDE20110624_231323_000000463104_00001_48722_8211.N1	DC map used
GOM_TRA_1PNPDE20110624_231551_000000473104_00001_48722_8212.N1	DC map used
GOM_TRA_1PNPDE20110624_231947_000000533104_00001_48722_8213.N1	DC map used
GOM_TRA_1PNPDE20110624_232440_000000373104_00001_48722_8214.N1	DC map used

4.2 Plot of mean dark charges per product: only products in DARK limb conditions without errors are used



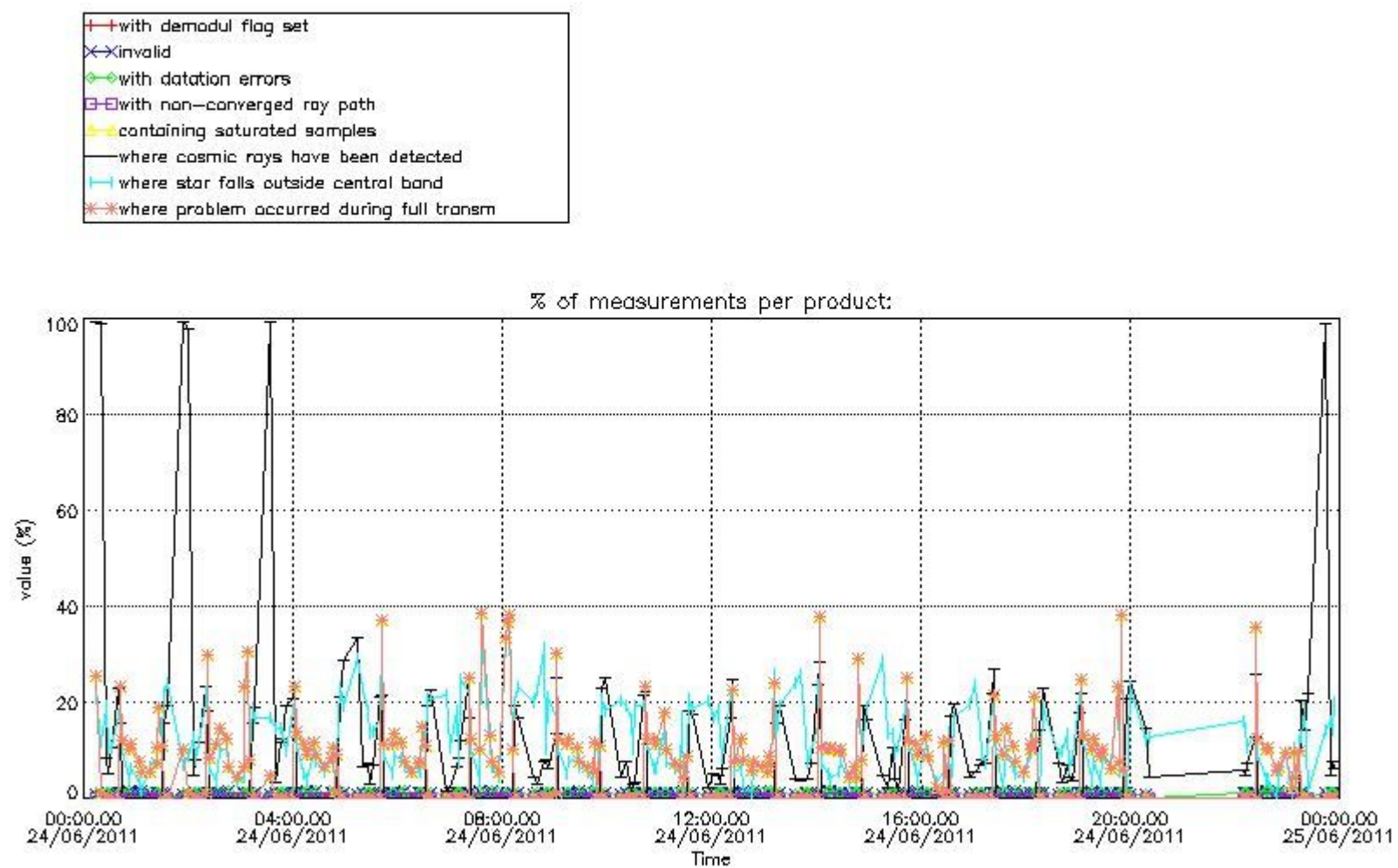
5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

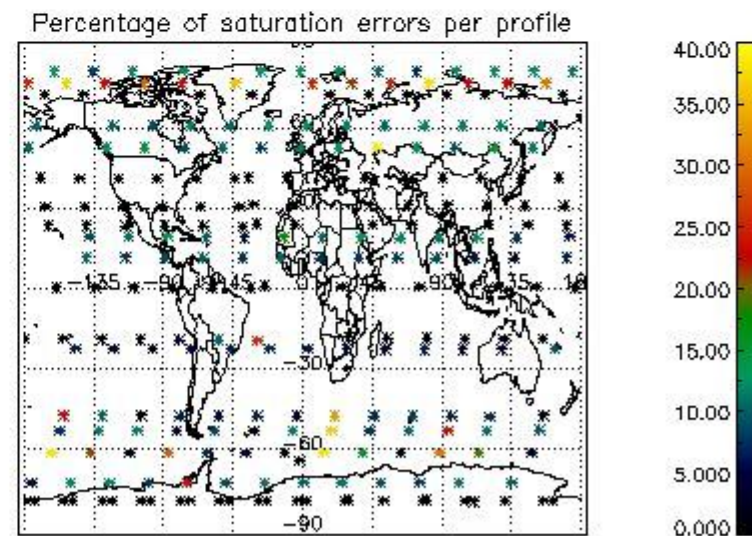
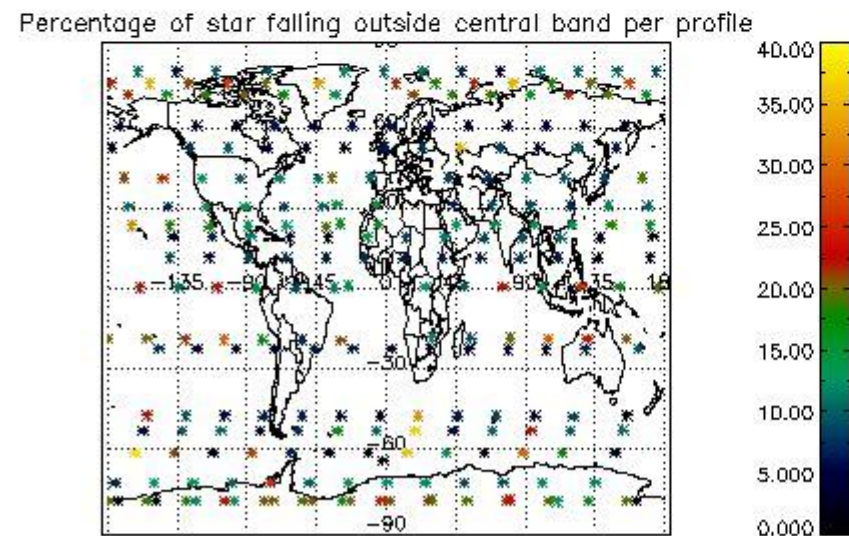
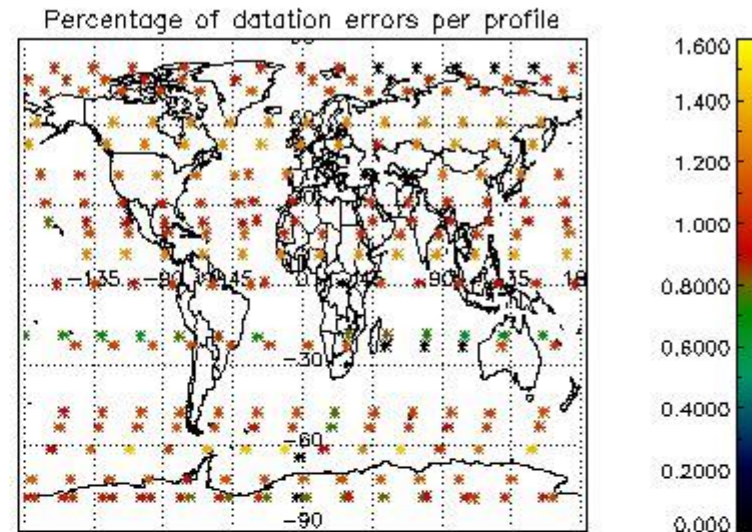
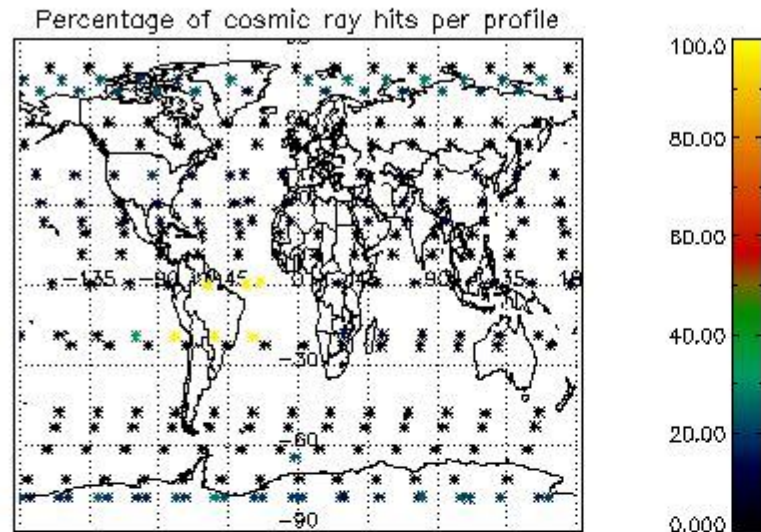
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	42.0635 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	56.7460 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



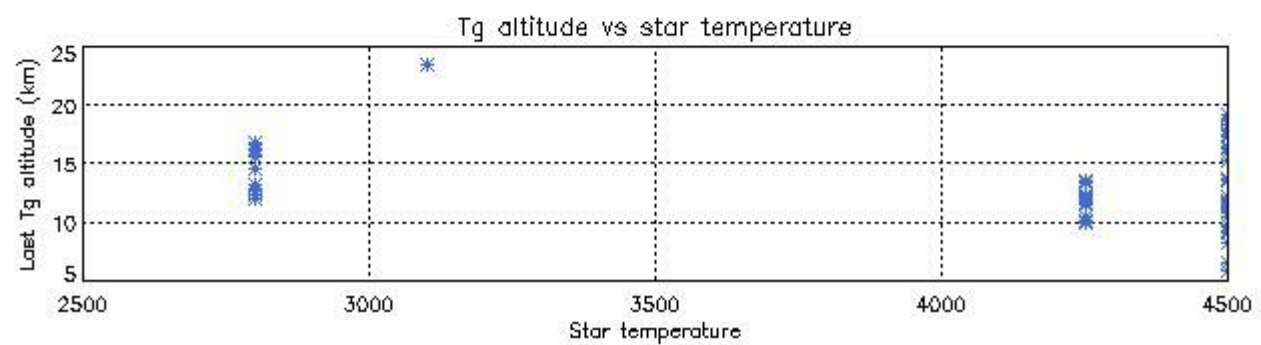
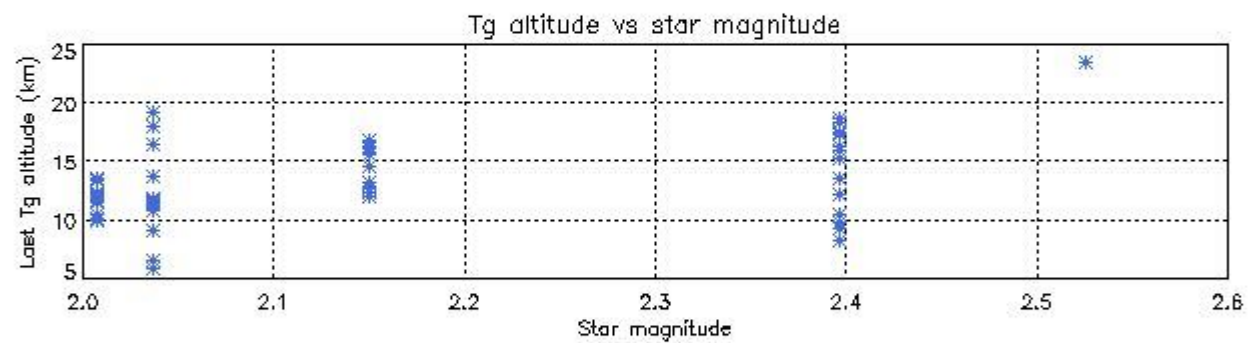
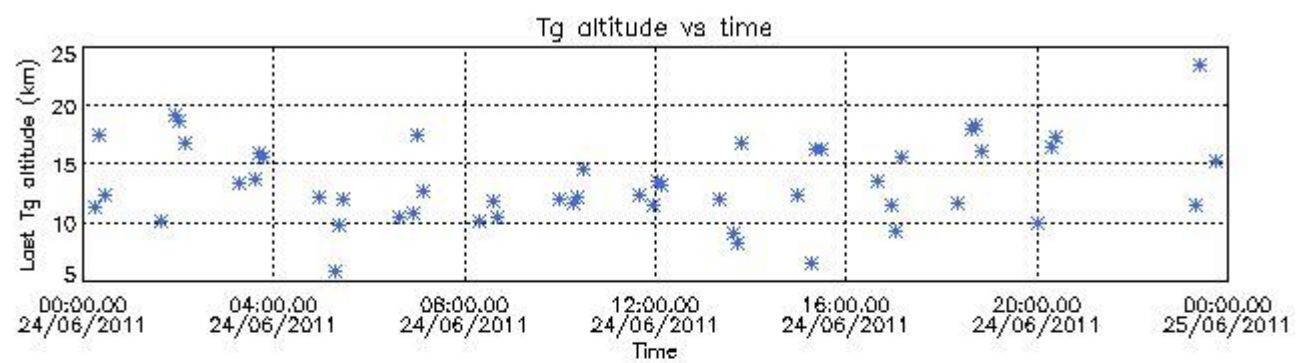
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.376	18.441	NaN
St. deviation:	3.4476	5.3499	NaN
Maximum:	23.521	29.217	NaN
Minimum:	5.8828	3.2471	NaN
Number of data:	52.000	143.00	NaN

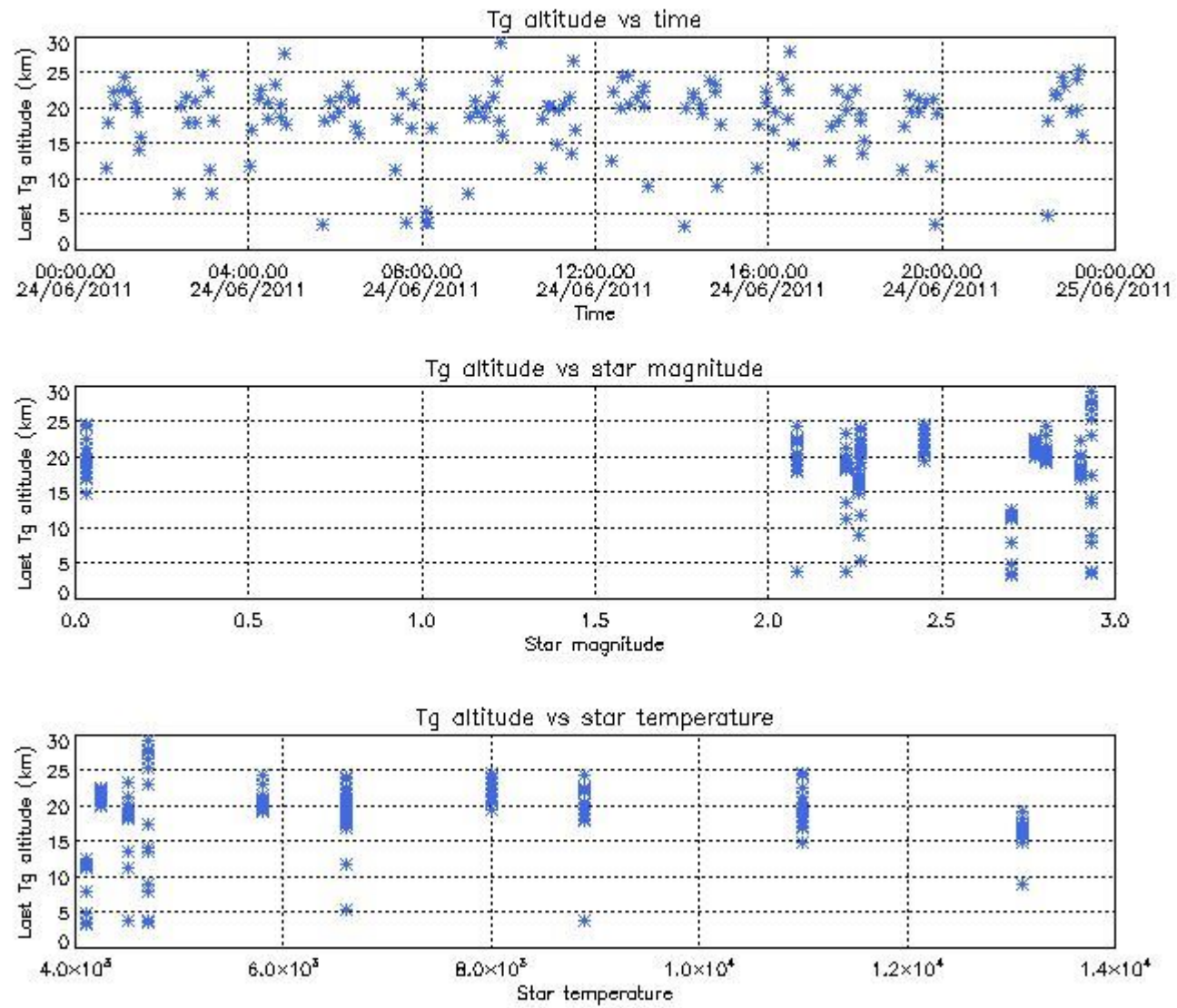
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

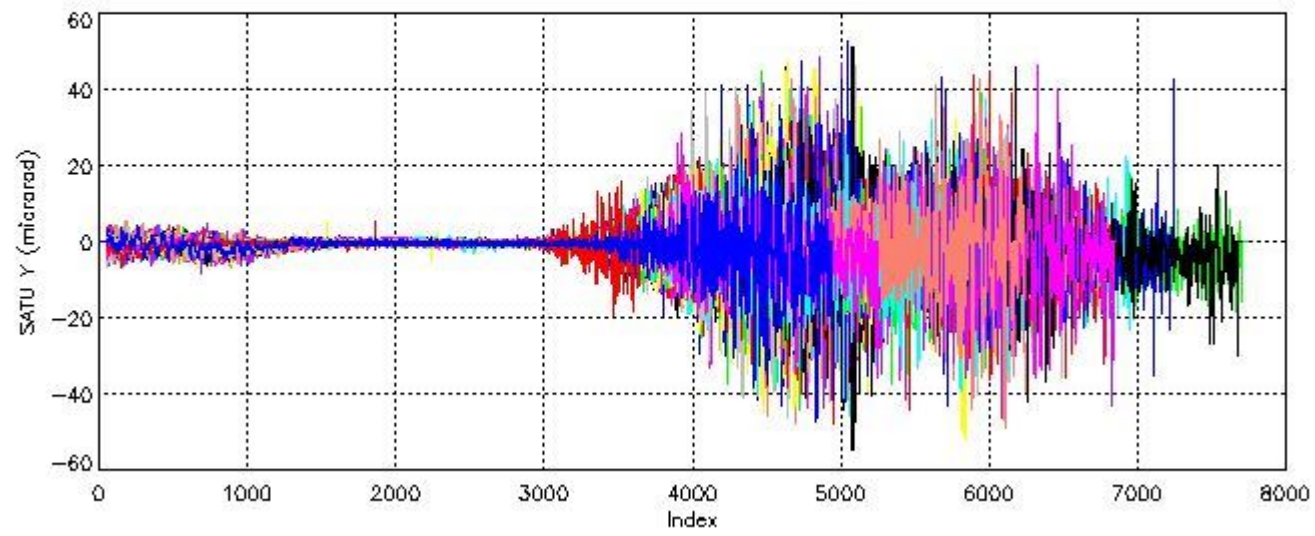
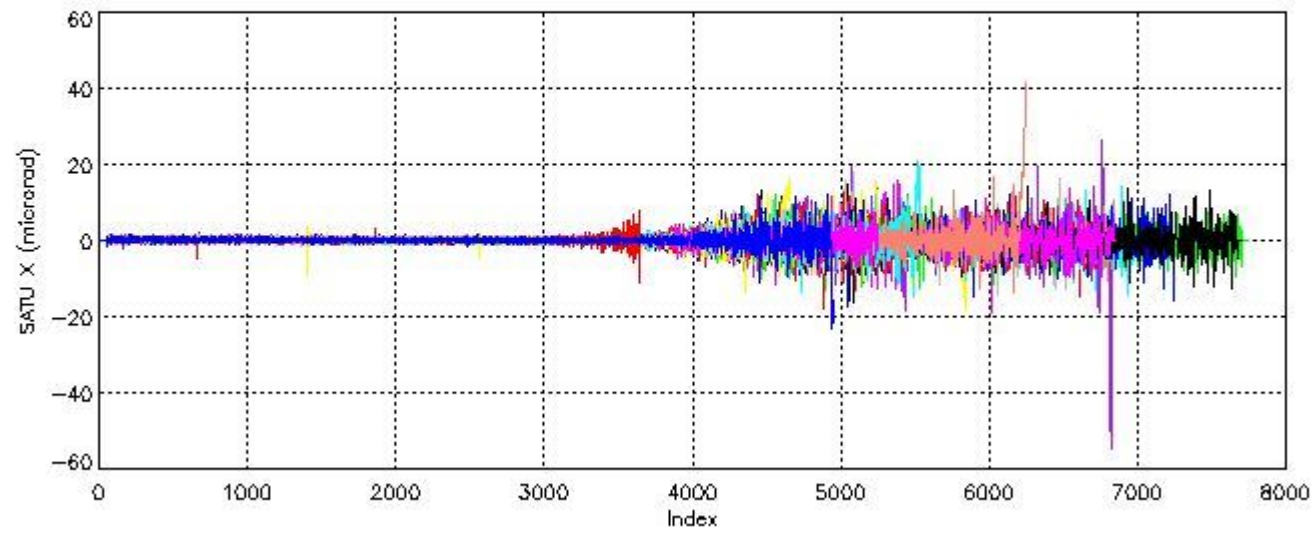


7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.24576	-0.98639	0.24438	-1.1999
St. deviation:	0.30212	1.3091	0.64666	1.4337
Maximum:	2.3000	5.1000	9.6000	9.8000
Minimum:	-4.8000	-8.6000	-29.900	-8.8000

Number of data:	60600.	60600.	1.4585E+05	1.4585E+05
90Percentile:	0.60000	0.50000	1.1000	0.50000

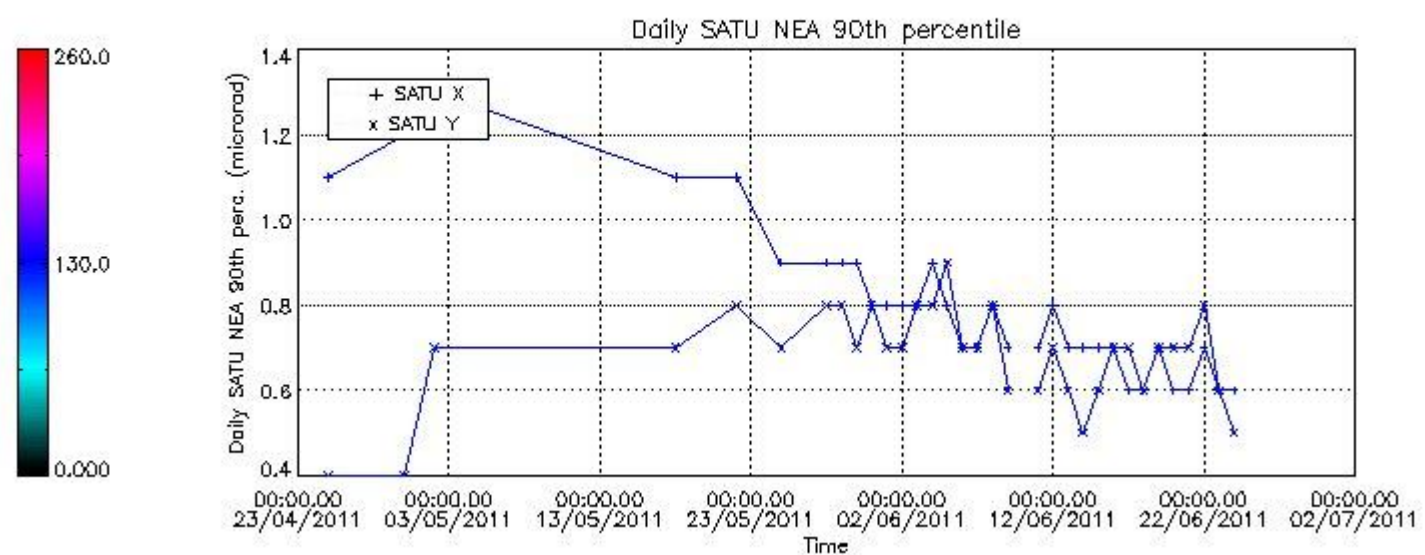
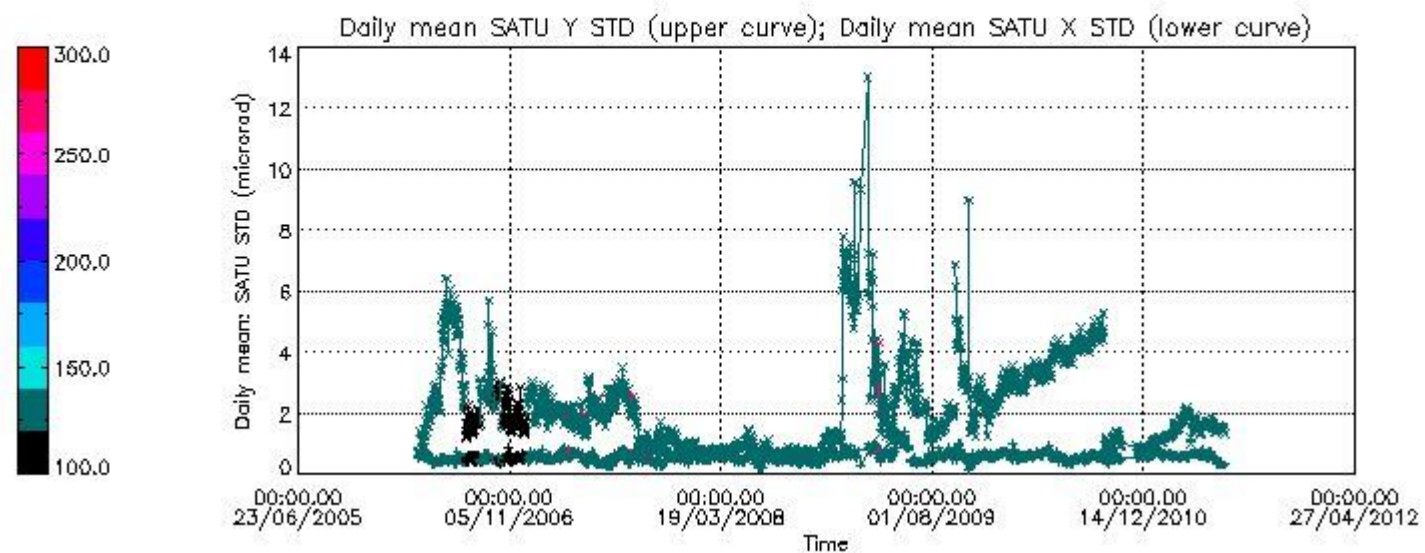
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

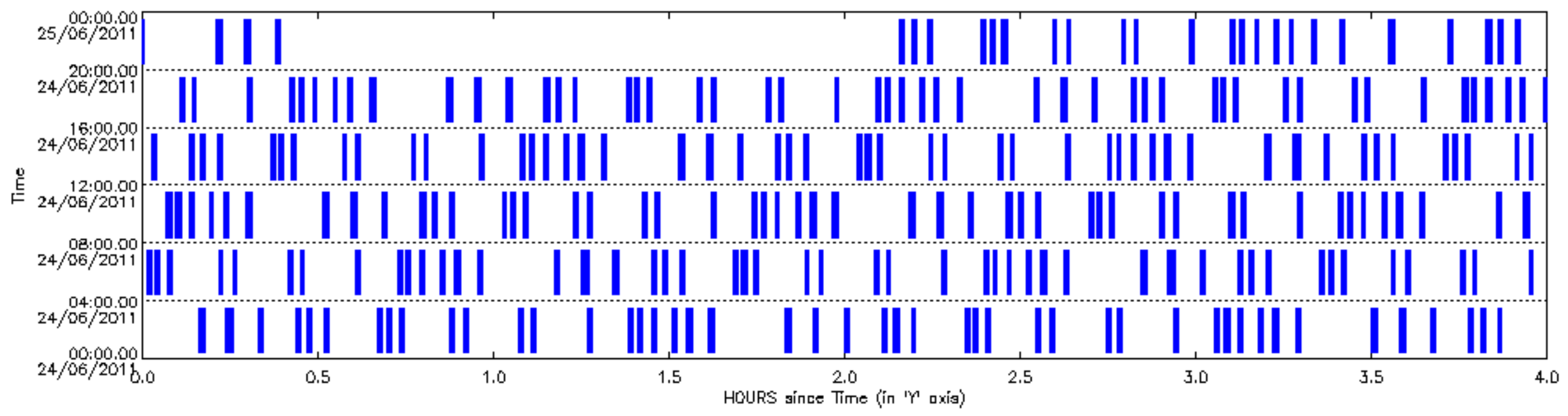
Lower curve: STD of SATU X axis

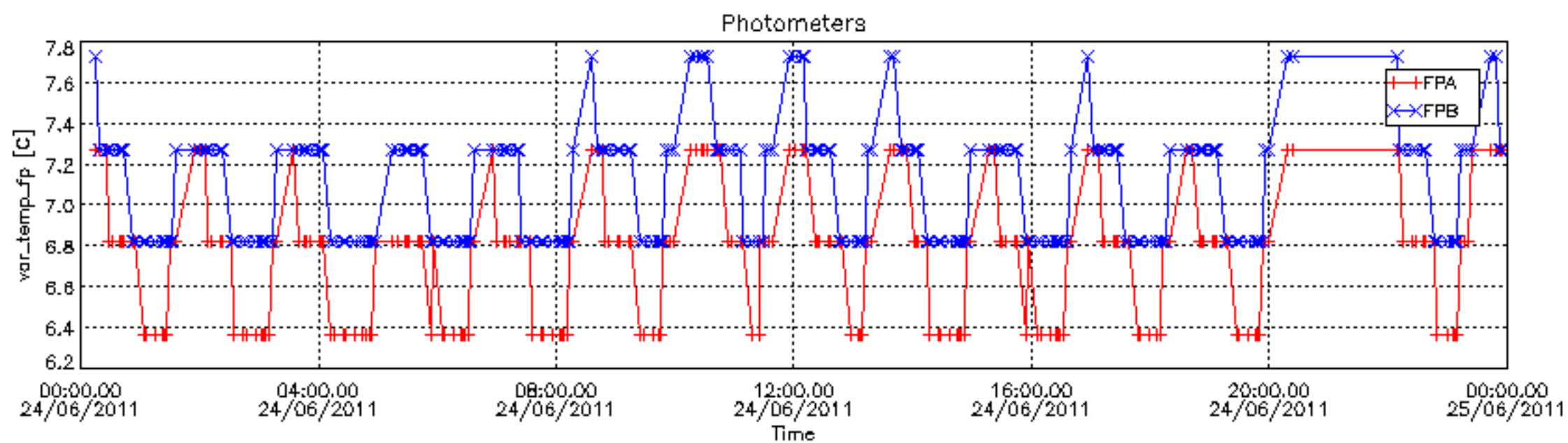
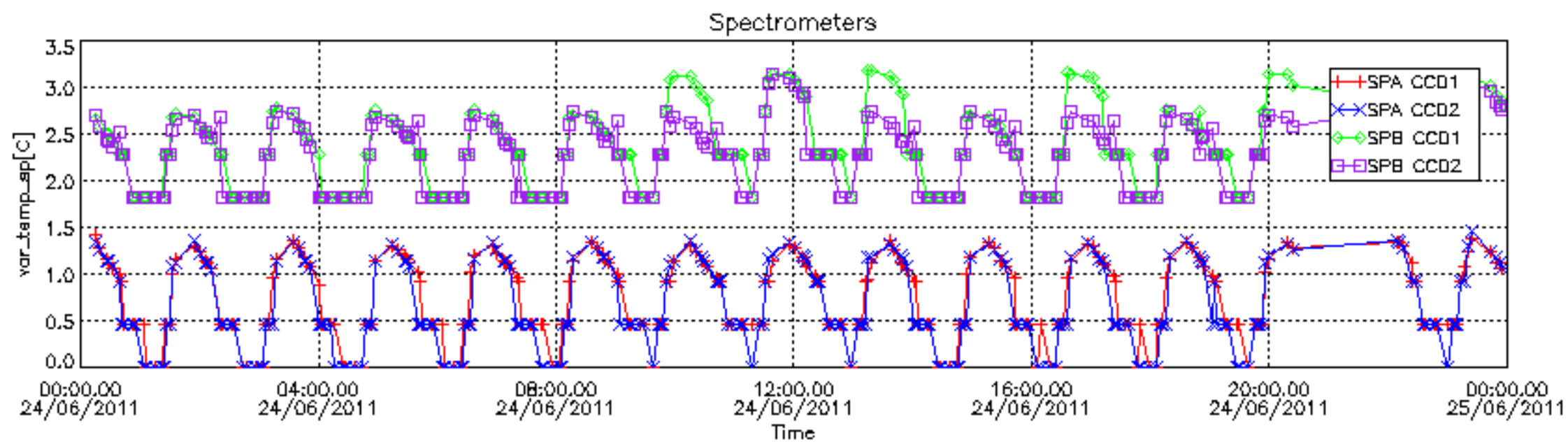


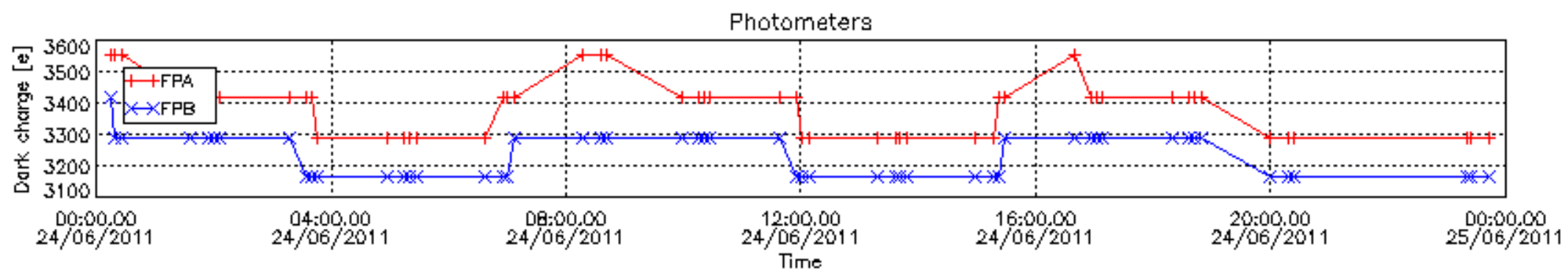
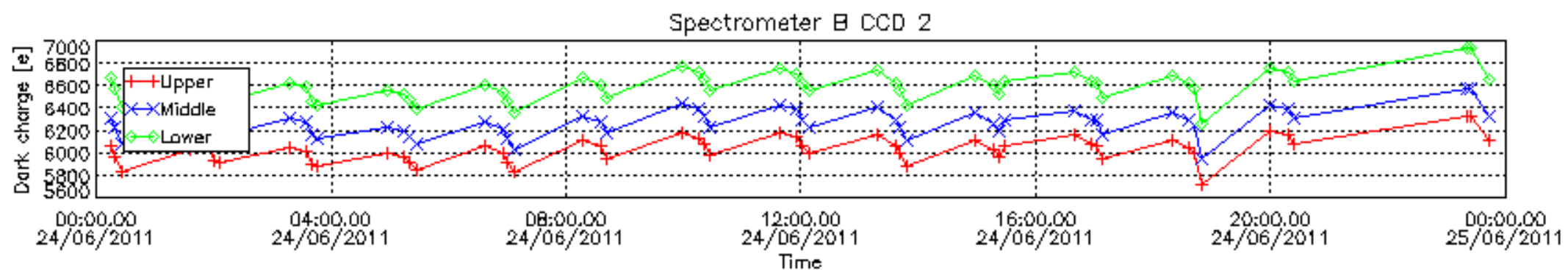
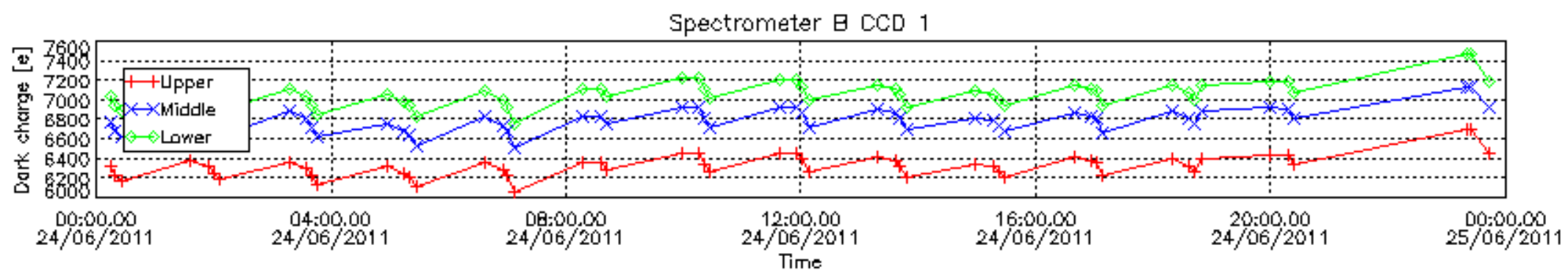
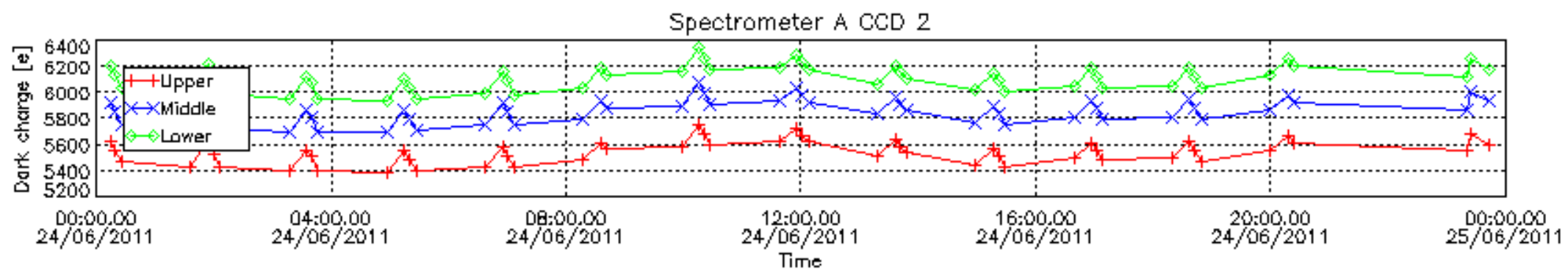
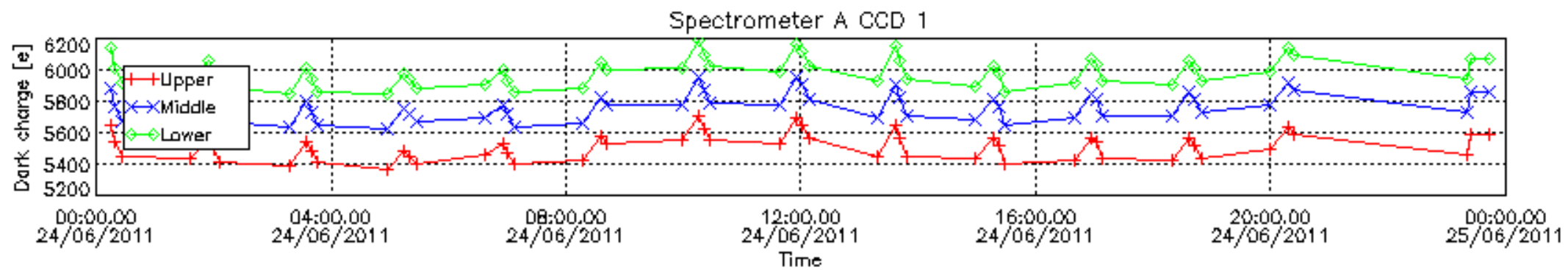
8. Auxiliary Data Files used for the production reported in section 2.4

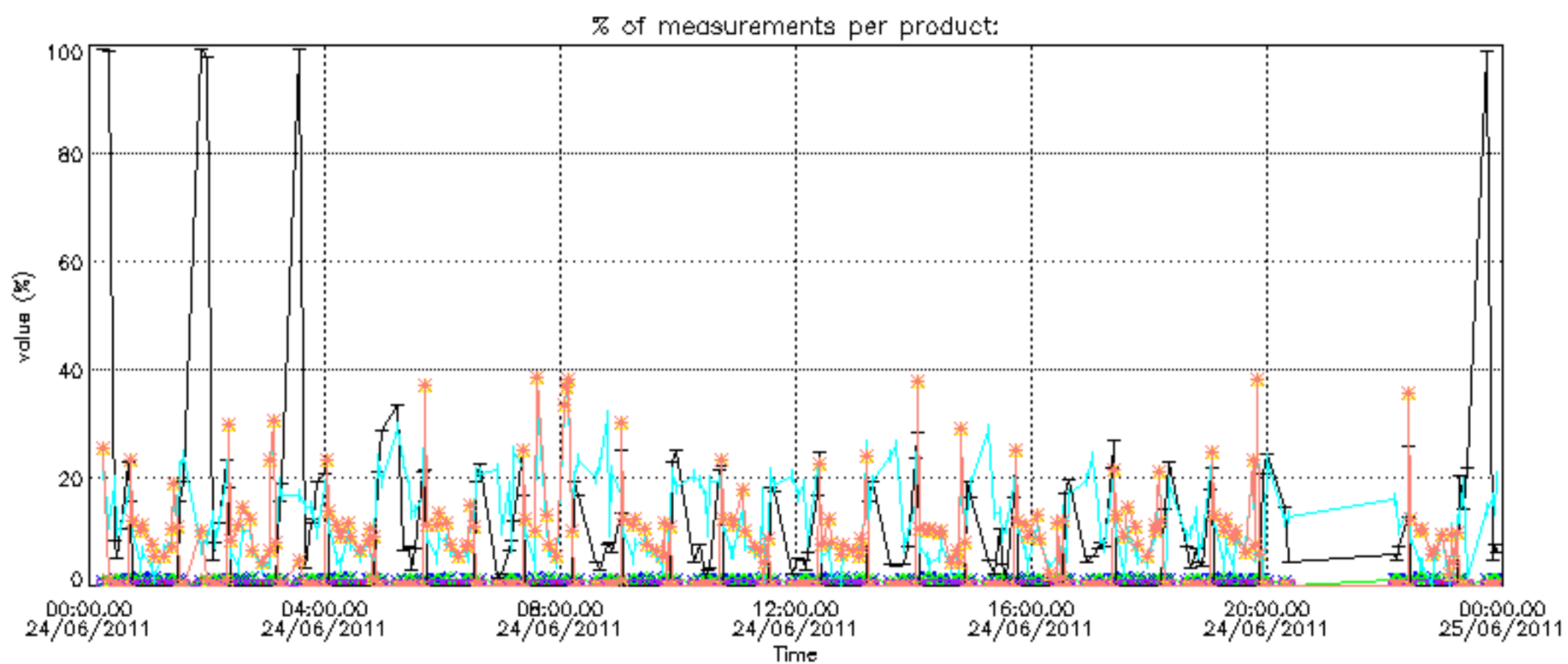
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-JUN-2011 00:14:09
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110622_075744_20110621_000000_20500101_000000	1	24-JUN-2011 00:14:09
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	1	24-JUN-2011 00:14:09
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	24-JUN-2011 00:14:09
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	24-JUN-2011 00:14:09
ECMWF_FILE	AUX_ECF_AXNECM20110623_062114_20110623_210000_20110624_090000	1	24-JUN-2011 00:14:09
ECMWF_FILE	AUX_ECF_AXNECM20110623_182113_20110624_030000_20110624_150000	33	24-JUN-2011 03:03:13
ECMWF_FILE	AUX_ECA_AXNECM20110624_062114_20110623_210000_20110624_090000	71	24-JUN-2011 06:23:40
ECMWF_FILE	AUX_ECF_AXNECM20110623_182113_20110624_030000_20110624_150000	85	24-JUN-2011 07:33:23
ECMWF_FILE	AUX_ECF_AXNECM20110624_062114_20110624_090000_20110624_210000	104	24-JUN-2011 09:13:37
ECMWF_FILE	AUX_ECF_AXNECM20110624_062115_20110624_150000_20110625_030000	179	24-JUN-2011 15:45:52
ECMWF_FILE	AUX_ECA_AXNECM20110624_182112_20110624_090000_20110624_210000	196	24-JUN-2011 17:22:35
ECMWF_FILE	AUX_ECF_AXNECM20110624_062115_20110624_210000_20110625_090000	231	24-JUN-2011 22:09:19
OPTIONAL_ECMWF_FILE	MISSING	1	24-JUN-2011 00:14:09
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110623_221707_20110623_191851_20110703_213239	1	24-JUN-2011 00:14:09

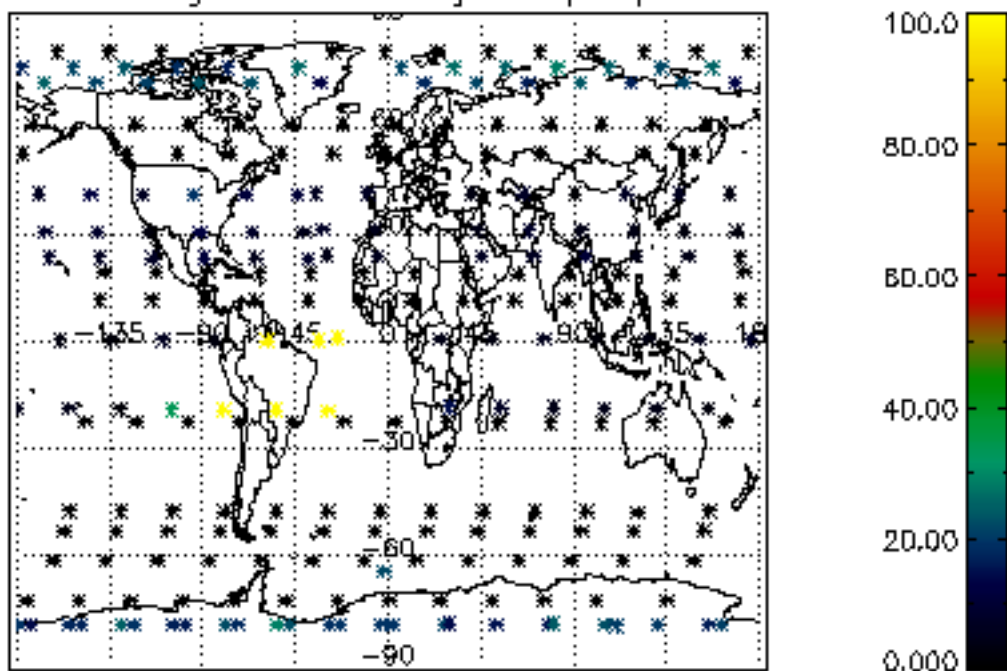




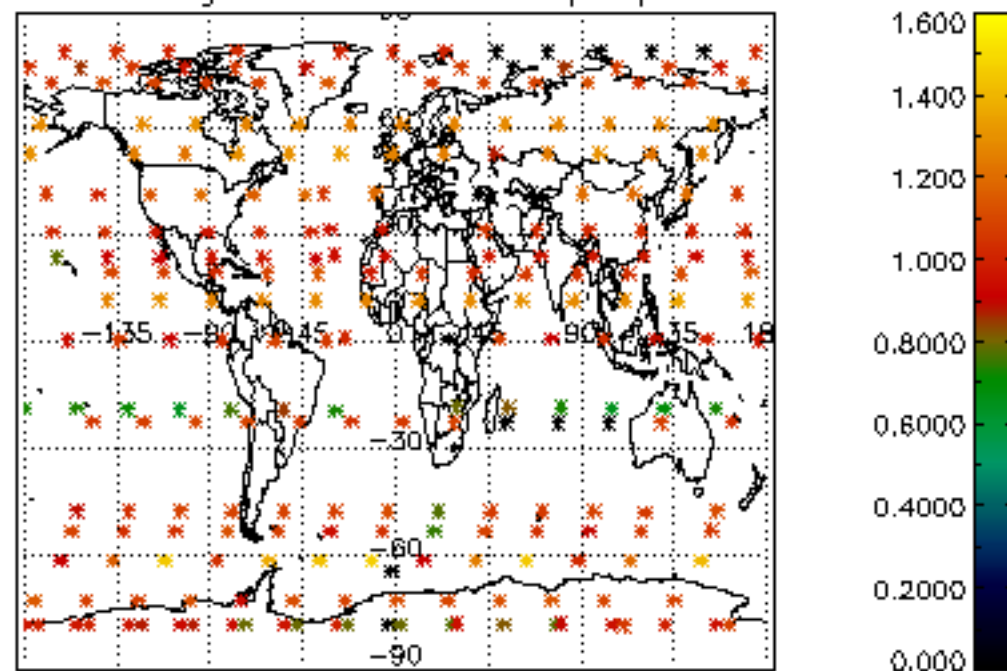




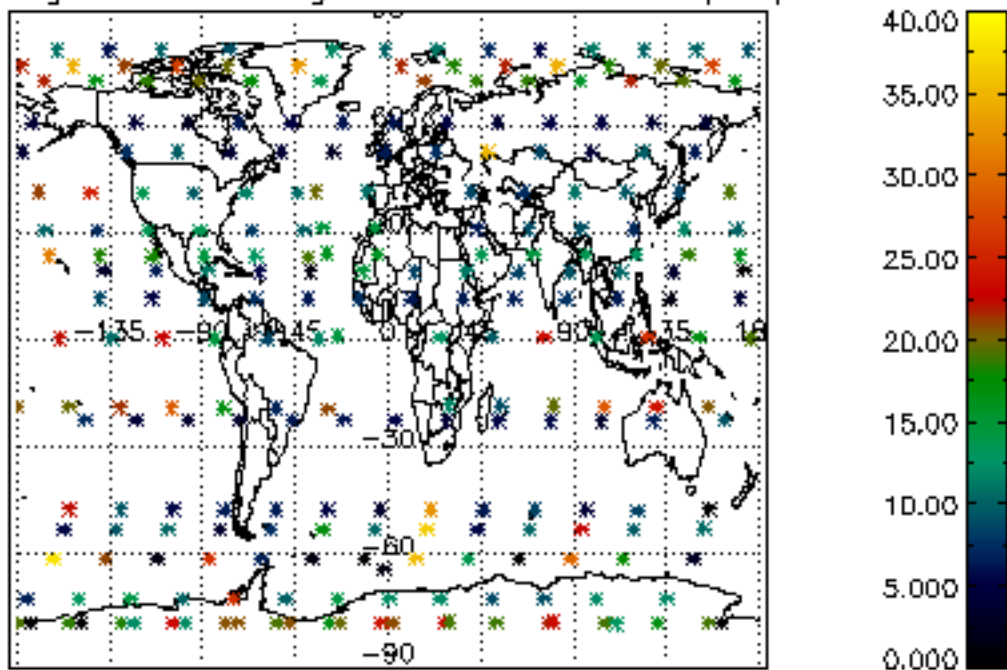
Percentage of cosmic ray hits per profile



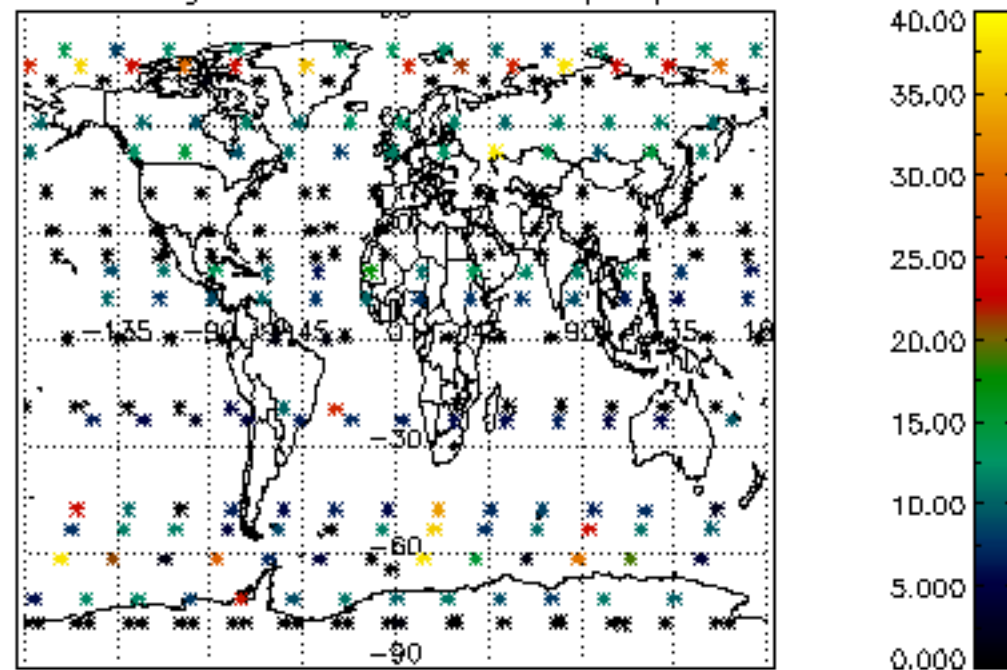
Percentage of datation errors per profile



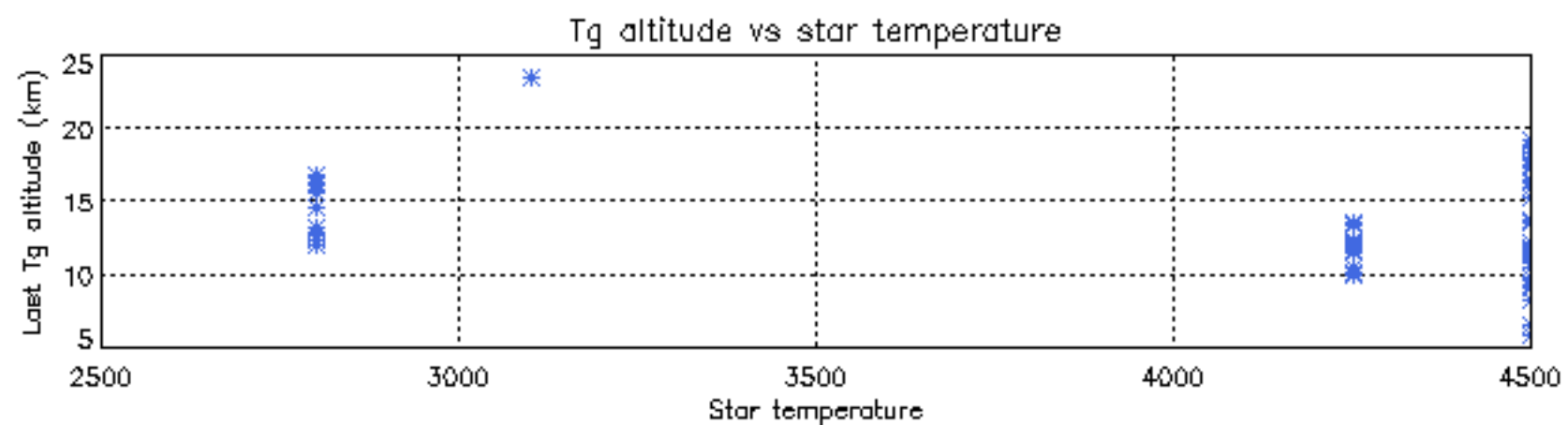
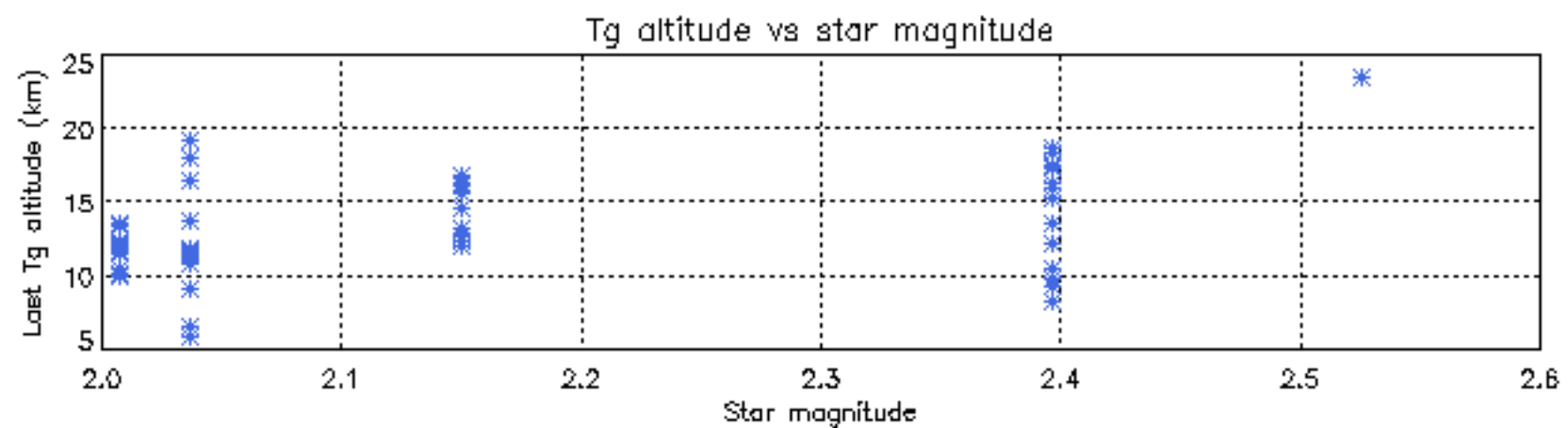
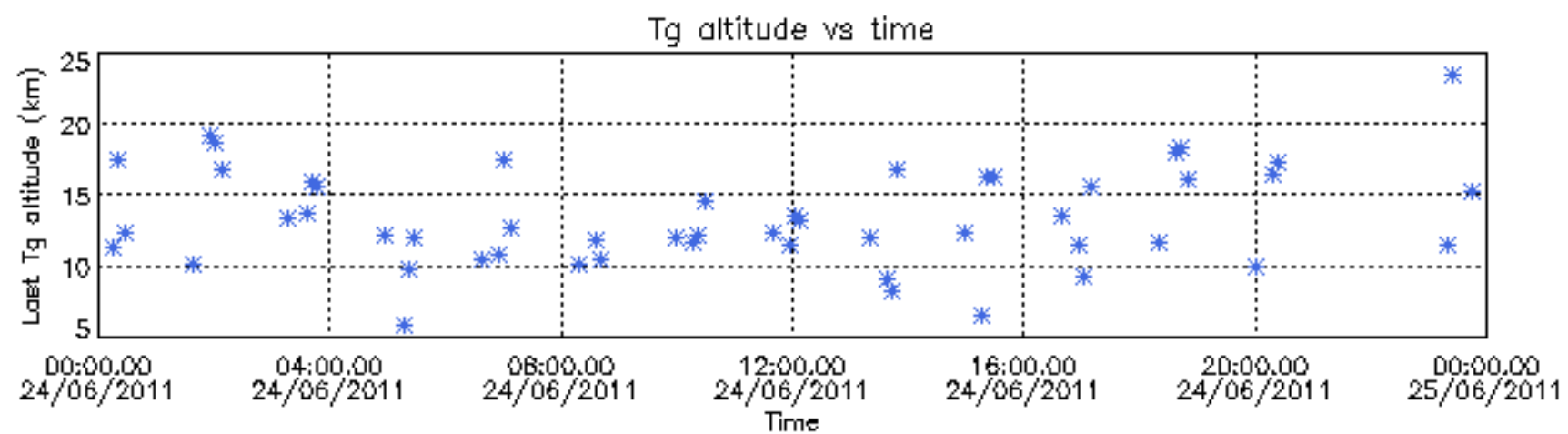
Percentage of star falling outside central band per profile



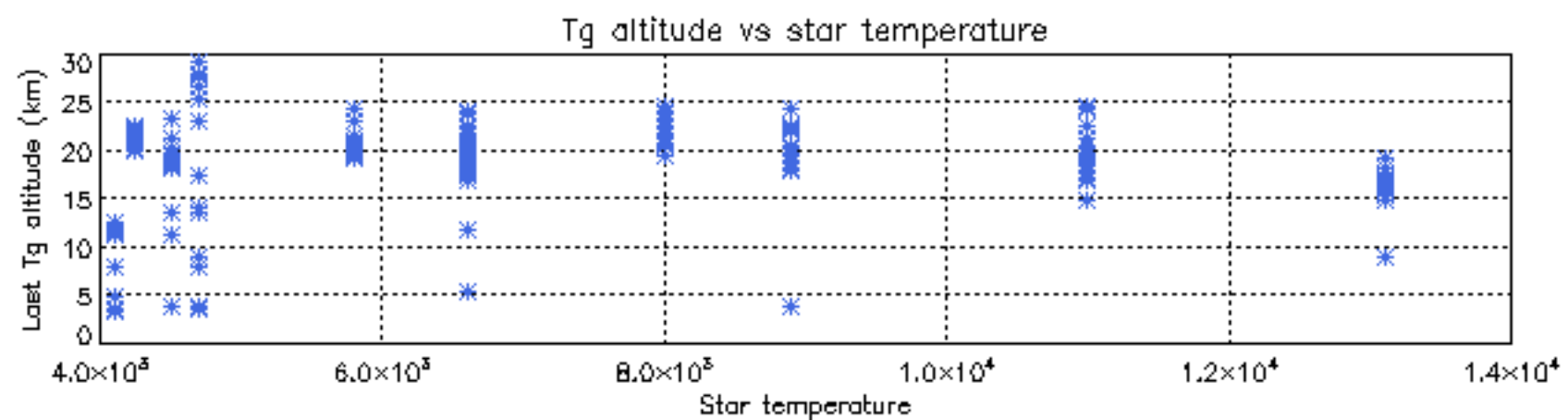
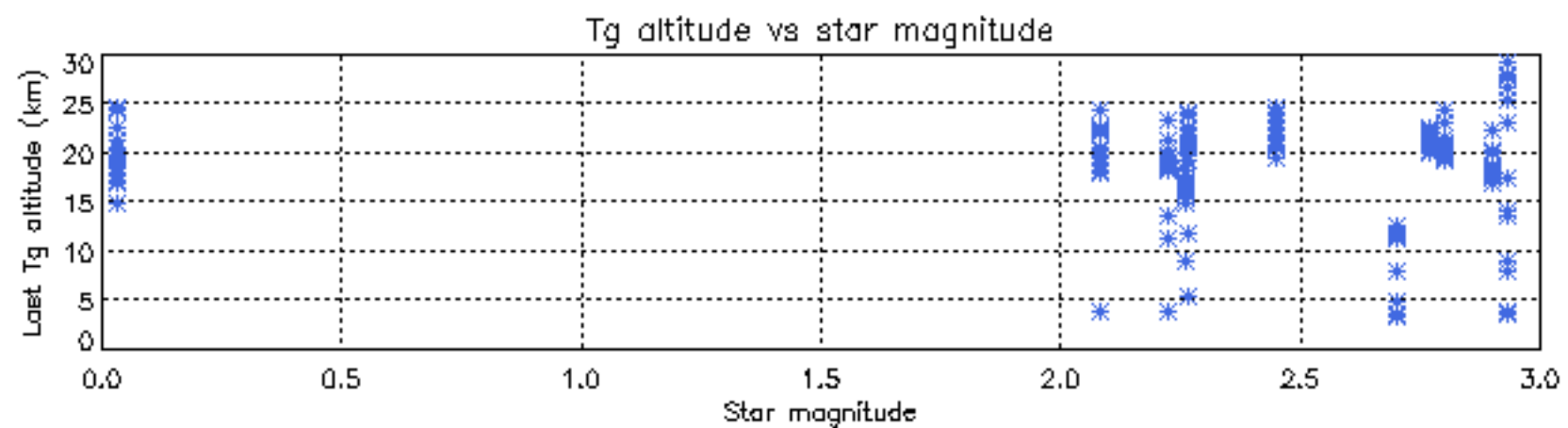
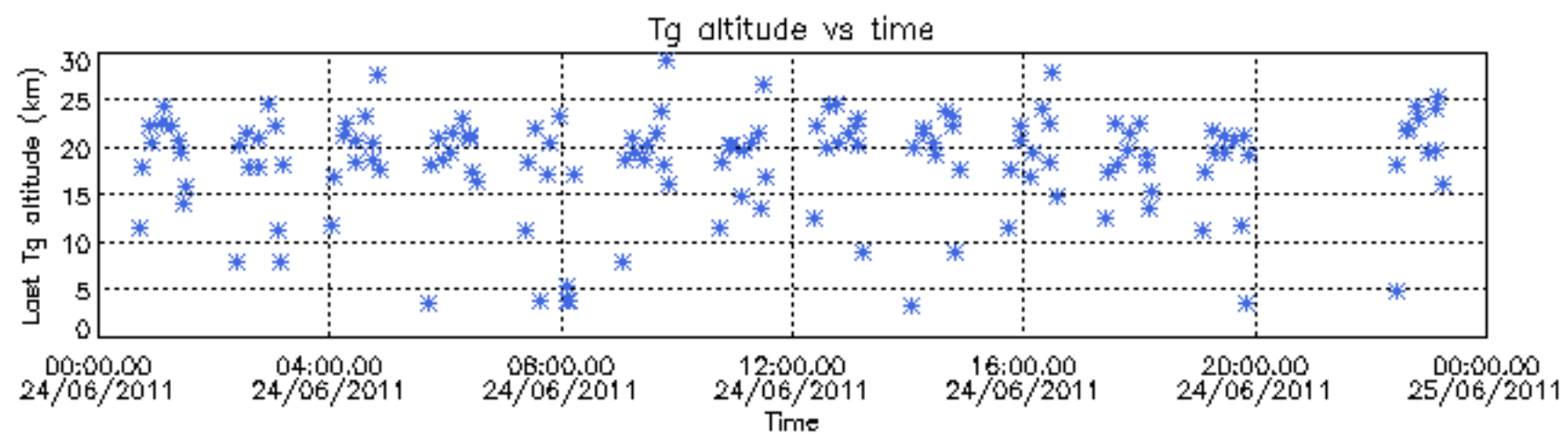
Percentage of saturation errors per profile

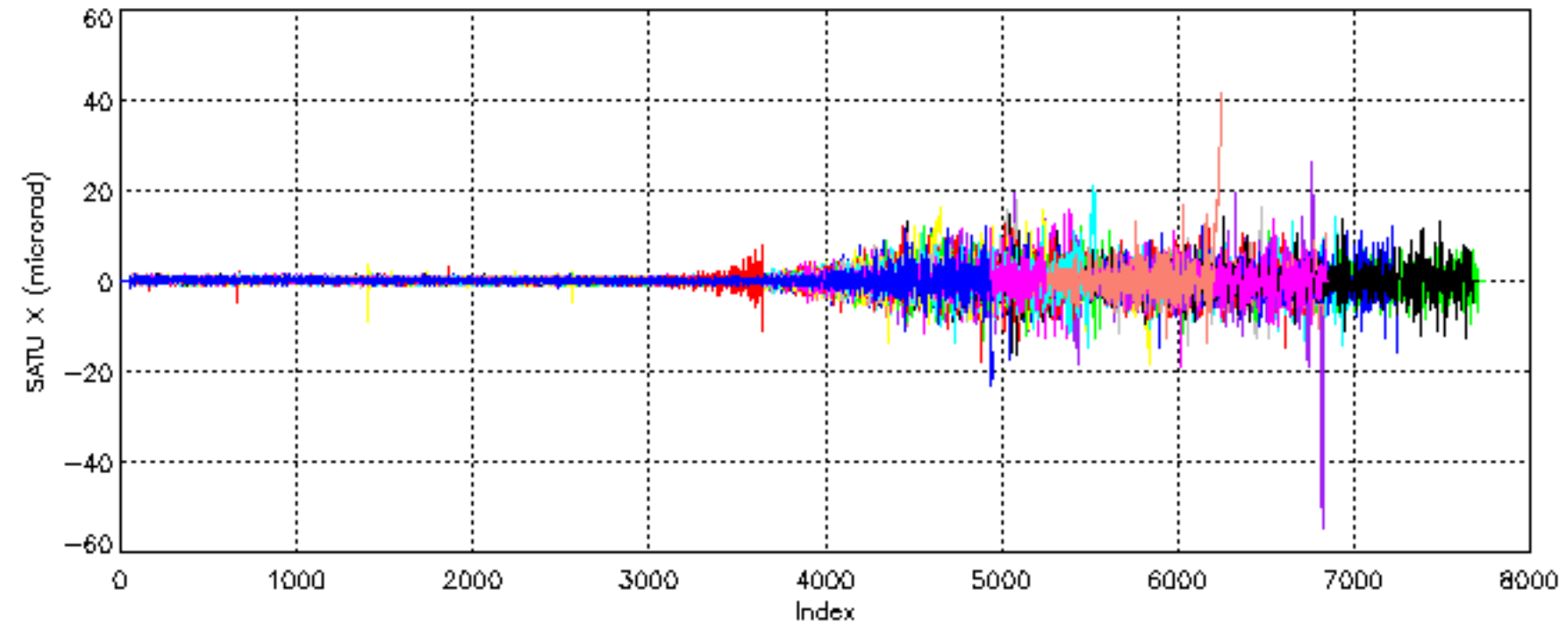


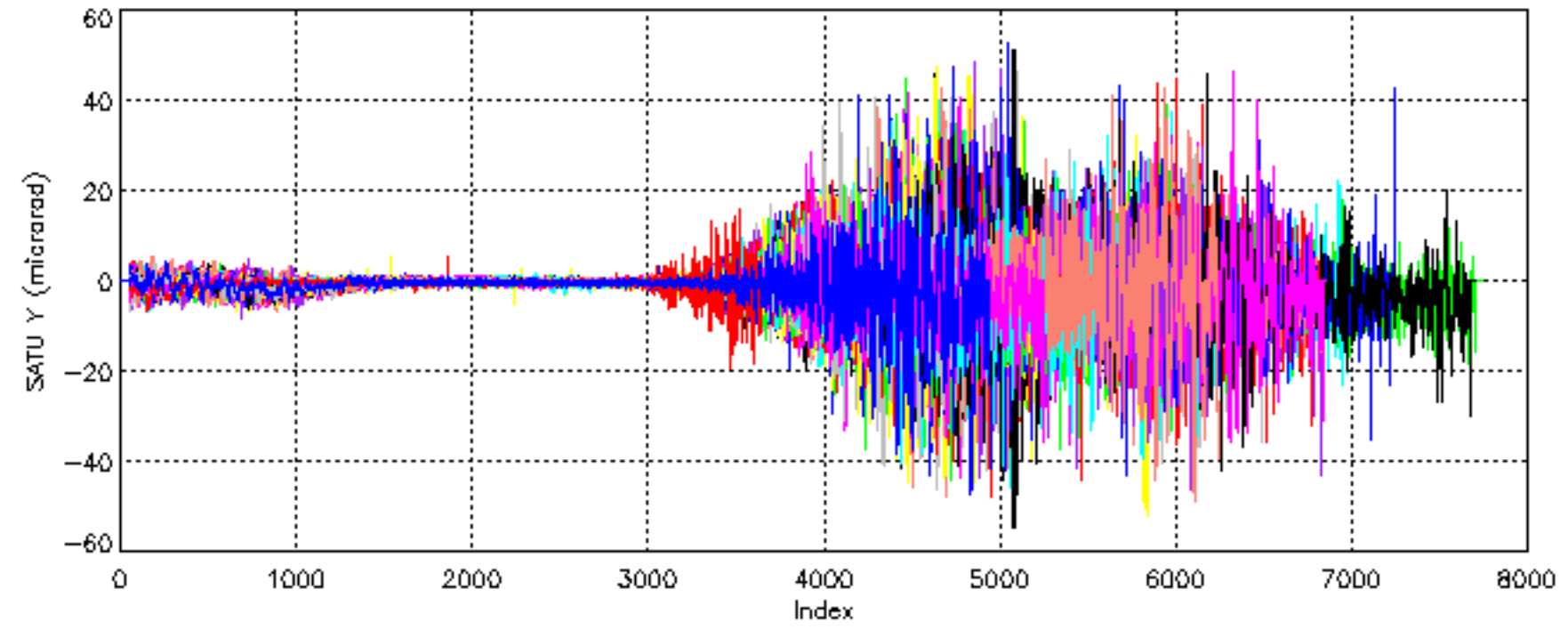
Tangent altitude at which the star is lost

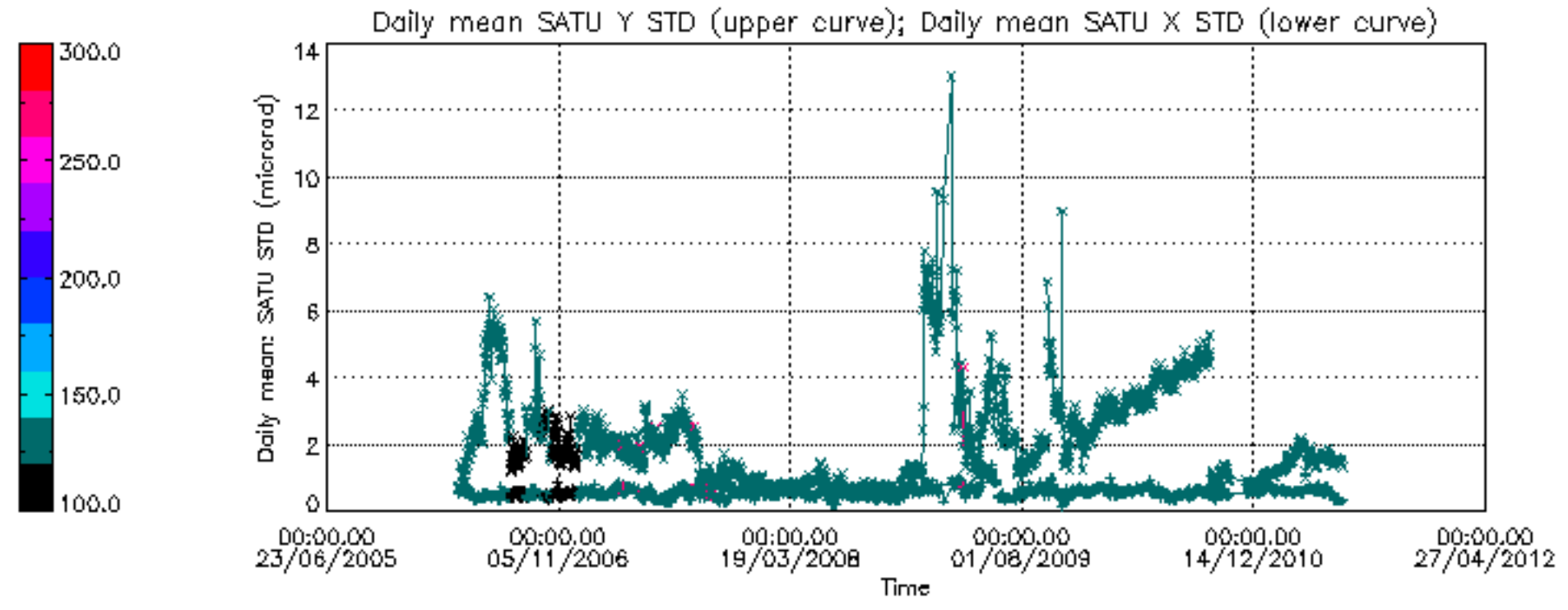


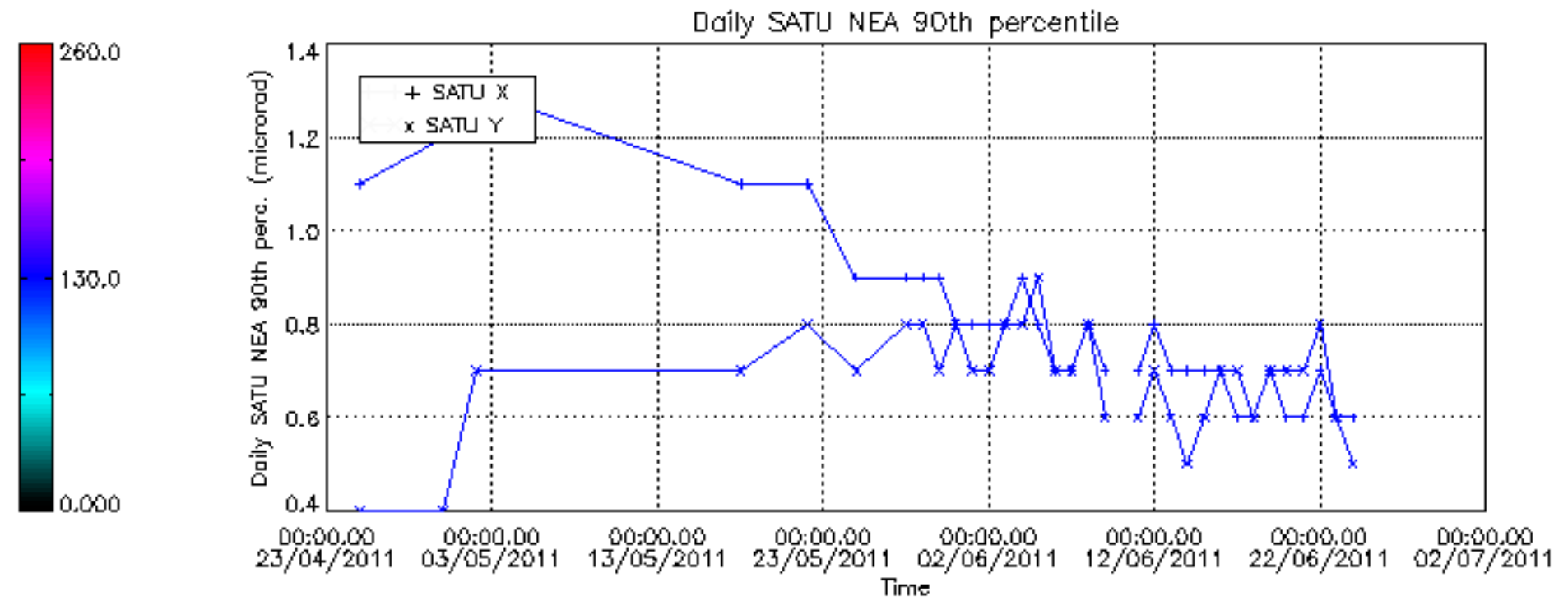
Tangent altitude at which the star is lost











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 3; -241.4; 01-JUN-2011 00:58:36; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;48378
 4; -115.9; 01-JUN-2011 01:00:42; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;48378
 5; 79.8; 01-JUN-2011 01:03:57; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;48379
 6; 192.4; 01-JUN-2011 01:05:50; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;48379
 7; 487.9; 01-JUN-2011 01:10:46; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48379
 8; 930.5; 01-JUN-2011 01:18:08; Dark ; 42.5; 147; Alp Ara ; 2.88; 26000;occ; 85; 0;48379
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 18; 2304.5; 01-JUN-2011 01:41:02; Bright; 44.0; 127; 27Bet Her ; 2.78; 4700;occ; 88; 0;48379
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 6; 193.4; 01-JUN-2011 02:46:05; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;48380
 7; 488.6; 01-JUN-2011 02:51:00; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48380
 8; 931.3; 01-JUN-2011 02:58:23; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;48380
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 10; 1139.6; 01-JUN-2011 03:01:51; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;48380
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 13; 1489.3; 01-JUN-2011 03:07:41; Bright; 39.5; 80; 7Del Sco ; 2.32; 30000;occ; 79; 0;48380
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 19; 2508.1; 01-JUN-2011 03:24:40; Bright; 63.0; 133; 40Zet Her ; 2.81; 6000;occ; 126; 0;48380
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 2; -2106.4; 01-JUN-2011 03:47:59; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;48380
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 6; -742.9; 01-JUN-2011 04:10:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48380
 7; -640.0; 01-JUN-2011 04:12:26; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;48380
 8; -240.1; 01-JUN-2011 04:19:06; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48380
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 11; 194.4; 01-JUN-2011 04:26:20; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;48381
 12; 489.4; 01-JUN-2011 04:31:15; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48381
 13; 931.5; 01-JUN-2011 04:38:37; Dark ; 42.5; 147; Alp Ara ; 2.88; 26000;occ; 85; 0;48381
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 16; 1244.5; 01-JUN-2011 04:43:50; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;48381
 17; 1365.5; 01-JUN-2011 04:45:51; Dark ; 57.0; 136; 23Tau Sco ; 2.82; 30000;occ; 114; 0;48381
 18; 1489.4; 01-JUN-2011 04:47:55; Bright; 39.5; 80; 7Del Sco ; 2.32; 30000;occ; 79; 0;48381
 19; 1580.5; 01-JUN-2011 04:49:26; Bright; 46.5; 86; 35Eta Oph ; 2.43; 10200;occ; 93; 0;48381

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23; 2507.7; 01-JUN-2011 05:04:53; Bright; 43.5; 133; 40Zet Her ; 2.81; 6000;occ; 87; 0;48381
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 4; -1479.6; 01-JUN-2011 05:38:40; Dark ; 54.5; 58; 21Alp And ; 2.07; 11000;occ; 109; 0;48381
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13; 931.9; 01-JUN-2011 06:18:52; Dark ; 42.5; 147; Alp Ara ; 2.88; 26000;occ; 85; 0;48382
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21; 1822.0; 01-JUN-2011 06:33:42; Bright; 39.0; 120; 1Del Oph ; 2.73; 3200;occ; 78; 0;48382
22; 2002.1; 01-JUN-2011 06:36:42; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;48382
23; 2303.8; 01-JUN-2011 06:41:43; Bright; 44.0; 127; 27Bet Her ; 2.78; 4700;occ; 88; 0;48382
24; 2506.9; 01-JUN-2011 06:45:07; Bright; 44.5; 133; 40Zet Her ; 2.81; 6000;occ; 89; 0;48382
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16;	6379.8;	13-JUN-2011 12:10:27;	Dark ;	49.0;	31;	Alp Gru ;	1.73;	15200;occ;	98;	0;	48558
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6;	2860.5;	13-JUN-2011 12:52:01;	Bright;	42.5;	130;	23Bet Dra ;	2.80;	5800;occ;	85;	0;	48558
7;	2948.2;	13-JUN-2011 12:53:29;	Bright;	38.0;	119;	14Eta Dra ;	2.73;	4700;occ;	76;	0;	48558
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13;	5410.6;	13-JUN-2011 13:34:31;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;	48558
14;	5513.6;	13-JUN-2011 13:36:14;	Dark ;	53.0;	52;	16Bet Cet ;	2.04;	4500;occ;	106;	0;	48558
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16;	6258.6;	13-JUN-2011 13:48:39;	Dark ;	49.5;	63;	Bet Gru ;	2.15;	2800;occ;	99;	0;	48559
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21;	7318.7;	13-JUN-2011 14:06:19;	Dark ;	58.5;	57;	34Sig Sgr ;	2.07;	26000;occ;	117;	0;	48559
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3;	2151.9;	13-JUN-2011 14:20:27;	Bright;	43.5;	59;	55Alp Oph ;	2.08;	8900;occ;	87;	0;	48559
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 8; 2947.7; 13-JUN-2011 16:13:56; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;48560
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 5; 2151.3; 13-JUN-2011 17:40:54; Bright; 45.0; 59; 55Alp Oph ; 2.08; 8900;occ; 90; 0;48561
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8; 3477.6; 14-JUN-2011 15:46:02; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48574
9; 3859.4; 14-JUN-2011 15:52:24; Bright; 64.0; 74; 11Bet Cas ; 2.27; 6600;occ; 128; 0;48574
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9; 3476.4; 14-JUN-2011 17:26:15; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48575
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11; 3941.3; 14-JUN-2011 17:34:00; Bright; 63.0; 68; 18Alp Cas ; 2.22; 4500;occ; 126; 0;48575
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9; 2945.6; 14-JUN-2011 18:57:38; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;48576
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4; 264.6; 15-JUN-2011 00:53:53; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;48580
5; 387.3; 15-JUN-2011 00:55:56; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48580
6; 500.6; 15-JUN-2011 00:57:49; Dark ; 52.0; 172; Gam Gru ; 3.00; 13100;occ; 104; 0;48580
7; 617.4; 15-JUN-2011 00:59:46; Dark ; 49.5; 45; Alp Pav ; 1.94; 26000;occ; 99; 0;48580
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9; 1284.5; 15-JUN-2011 01:10:53; Dark ; 53.5; 116; 19Del Sgr ; 2.70; 4100;occ; 107; 0;48580
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13; 2263.3; 15-JUN-2011 01:27:12; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;48580
14; 2444.9; 15-JUN-2011 01:30:13; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;48580
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6; 3803.4; 24-JUN-2011 14:44:48; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48717
7; 3898.1; 24-JUN-2011 14:46:23; Bright; 44.5; 68; 18Alp Cas ; 2.22; 4500;occ; 89; 0;48717
8; 4044.8; 24-JUN-2011 14:48:49; Bright; 48.0; 160; 23Gam Per ; 2.93; 4700;occ; 96; 0;48717
9; 4248.1; 24-JUN-2011 14:52:13; Bright; 44.5; 73; 57Gam1And ; 2.26; 13100;occ; 89; 0;48717
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 16; 6535.0; 24-JUN-2011 15:30:20; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48718
 17; 6710.8; 24-JUN-2011 15:33:15; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48718
 18; 7255.7; 24-JUN-2011 15:42:20; Dark ; 46.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 92; 0;48718
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 5; 2809.2; 24-JUN-2011 16:08:28; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48718
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 12; 4248.1; 24-JUN-2011 18:12:41; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48719
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 18; 6416.4; 24-JUN-2011 18:48:49; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48720
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 16; 5708.3; 24-JUN-2011 20:17:15; Dark ; 62.5; 52; 16Bet Cet ; 2.04; 4500;occ; 125; 0;48720
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9; 2677.4; 24-JUN-2011 22:47:12; Bright; 43.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 87; 0;48722
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27; 7341.5; 25-JUN-2011 03:25:24; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48725
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 13; 6052.3; 26-JUN-2011 12:28:35; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;48745
 14; 6441.2; 26-JUN-2011 12:35:04; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48745
 15; 6560.4; 26-JUN-2011 12:37:03; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48745
 16; 6725.0; 26-JUN-2011 12:39:47; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48745
 17; 7263.9; 26-JUN-2011 12:48:46; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;48745
 18; 7346.7; 26-JUN-2011 12:50:09; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;48745
 19; 7473.2; 26-JUN-2011 12:52:16; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48745

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 2; 2113.0; 26-JUN-2011 13:03:09; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48745
 3; 2664.2; 26-JUN-2011 13:12:21; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;48745
 4; 2803.2; 26-JUN-2011 13:14:40; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48745
 5; 3790.4; 26-JUN-2011 13:31:07; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;48745
 6; 3887.5; 26-JUN-2011 13:32:44; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48745
 7; 4044.0; 26-JUN-2011 13:35:20; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48745
 8; 4247.1; 26-JUN-2011 13:38:44; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48745
 9; 4397.7; 26-JUN-2011 13:41:14; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48745
 10; 4639.2; 26-JUN-2011 13:45:16; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;48745
 11; 4933.0; 26-JUN-2011 13:50:09; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48745
 12; 5439.2; 26-JUN-2011 13:58:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48745
 13; 6053.4; 26-JUN-2011 14:08:50; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;48746
 14; 6442.0; 26-JUN-2011 14:15:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48746
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 16; 6725.6; 26-JUN-2011 14:20:02; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48746
 17; 7264.1; 26-JUN-2011 14:29:01; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48746
 18; 7346.9; 26-JUN-2011 14:30:23; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;48746
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 3; 2663.5; 26-JUN-2011 14:52:34; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48746
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 6; 3887.2; 26-JUN-2011 15:12:58; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48746
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 8; 4247.0; 26-JUN-2011 15:18:57; Bright; 58.0; 73; 57Gam1And ; 2.26; 13100;occ; 116; 0;48746
 9; 4398.1; 26-JUN-2011 15:21:28; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;48746
 10; 4639.5; 26-JUN-2011 15:25:30; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48746
 11; 4933.5; 26-JUN-2011 15:30:24; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48746
 12; 5440.0; 26-JUN-2011 15:38:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48746
 13; 6054.2; 26-JUN-2011 15:49:05; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48747
 14; 6443.2; 26-JUN-2011 15:55:33; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;48747
 15; 6562.5; 26-JUN-2011 15:57:33; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48747
 16; 6725.9; 26-JUN-2011 16:00:16; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48747
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 3; 1459.6; 26-JUN-2011 16:12:44; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;48747
 4; 1971.7; 26-JUN-2011 16:21:16; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48747
 5; 2112.7; 26-JUN-2011 16:23:37; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48747
 6; 2662.8; 26-JUN-2011 16:32:47; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48747
 7; 2802.6; 26-JUN-2011 16:35:07; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48747
 8; 3789.4; 26-JUN-2011 16:51:34; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48747
 9; 3886.5; 26-JUN-2011 16:53:11; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48747

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11; 4246.9; 26-JUN-2011 16:59:11; Bright; 54.5; 73; 57Gam1And ; 2.26; 13100;occ; 109; 0;48747
12; 4398.1; 26-JUN-2011 17:01:42; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48747
13; 4639.8; 26-JUN-2011 17:05:44; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48747
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16; 6055.1; 26-JUN-2011 17:29:19; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48748
17; 6444.2; 26-JUN-2011 17:35:49; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48748
18; 6563.2; 26-JUN-2011 17:37:48; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48748
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 2; 1333.6; 26-JUN-2011 17:50:52; Dark ; 53.0; 116; 19Del Sgr ; 2.70; 4100;occ; 106; 0;48748
 3; 1459.9; 26-JUN-2011 17:52:58; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48748
 4; 1971.6; 26-JUN-2011 18:01:30; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;48748
 5; 2112.5; 26-JUN-2011 18:03:51; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48748
 6; 2662.2; 26-JUN-2011 18:13:01; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;48748
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 8; 3788.9; 26-JUN-2011 18:31:47; Bright; 60.5; 74; 11Bet Cas ; 2.27; 6600;occ; 121; 0;48748
 9; 3886.0; 26-JUN-2011 18:33:24; Bright; 57.0; 68; 18Alp Cas ; 2.22; 4500;occ; 114; 0;48748
10; 4043.9; 26-JUN-2011 18:36:02; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48748
11; 4246.8; 26-JUN-2011 18:39:25; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48748
12; 4398.2; 26-JUN-2011 18:41:57; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48748
13; 4639.9; 26-JUN-2011 18:45:58; Dark ; 53.0; 50; 13Alp Ari ; 2.01; 4250;occ; 106; 0;48748
14; 4933.9; 26-JUN-2011 18:50:52; Dark ; 46.0; 94; 92Alp Cet ; 2.53; 3100;occ; 92; 0;48748
15; 5441.6; 26-JUN-2011 18:59:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48748
16; 6056.1; 26-JUN-2011 19:09:35; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48749
17; 6444.9; 26-JUN-2011 19:16:03; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48749
18; 6564.1; 26-JUN-2011 19:18:03; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48749
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 3; 1459.9; 26-JUN-2011 19:33:12; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;48749
 4; 1971.6; 26-JUN-2011 19:41:44; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48749
 5; 2112.4; 26-JUN-2011 19:44:05; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48749
 6; 2661.6; 26-JUN-2011 19:53:14; Bright; 42.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 85; 0;48749
 7; 2802.1; 26-JUN-2011 19:55:35; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48749
 8; 3788.3; 26-JUN-2011 20:12:01; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;48749
 9; 3885.8; 26-JUN-2011 20:13:38; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48749
10; 4043.9; 26-JUN-2011 20:16:16; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48749
11; 4246.7; 26-JUN-2011 20:19:39; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48749
12; 4397.9; 26-JUN-2011 20:22:10; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48749
13; 4640.1; 26-JUN-2011 20:26:13; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48749
14; 4934.4; 26-JUN-2011 20:31:07; Dark ; 43.5; 94; 92Alp Cet ; 2.53; 3100;occ; 87; 0;48749
15; 5442.3; 26-JUN-2011 20:39:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48749
16; 6057.3; 26-JUN-2011 20:49:50; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48750
17; 6445.8; 26-JUN-2011 20:56:18; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48750
18; 6565.0; 26-JUN-2011 20:58:17; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48750
19; 6727.4; 26-JUN-2011 21:01:00; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48750
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 3; 433.8; 27-JUN-2011 00:16:48; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48752
 4; 552.8; 27-JUN-2011 00:18:47; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48752
 5; 714.4; 27-JUN-2011 00:21:29; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48752
 6; 1251.6; 27-JUN-2011 00:30:26; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48752
 7; 1334.3; 27-JUN-2011 00:31:49; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48752
 8; 1460.6; 27-JUN-2011 00:33:55; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48752
 9; 1971.2; 27-JUN-2011 00:42:26; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48752
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11; 2659.9; 27-JUN-2011 00:53:54; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48752
12; 2801.3; 27-JUN-2011 00:56:16; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48752
13; 3355.6; 27-JUN-2011 01:05:30; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48752
14; 3786.9; 27-JUN-2011 01:12:41; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48752
15; 3884.5; 27-JUN-2011 01:14:19; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48752
16; 4043.6; 27-JUN-2011 01:16:58; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48752
17; 4246.6; 27-JUN-2011 01:20:21; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;48752

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3; 434.7; 27-JUN-2011 01:57:03; Dark ; 63.5; 63; Bet Gru ; 2.15; 2800;occ; 127; 0;48753
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7; 1334.7; 27-JUN-2011 02:12:03; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;48753
8; 1460.9; 27-JUN-2011 02:14:09; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48753
9; 1971.2; 27-JUN-2011 02:22:39; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48753
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11; 2659.3; 27-JUN-2011 02:34:08; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48753
12; 2801.4; 27-JUN-2011 02:36:30; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48753
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3;-1970.4; 27-JUN-2011 02:57:12; Bright; 39.5; 160; 23Gam Per ; 2.93; 4700;occ; 79; 0;48753
4;-1767.4; 27-JUN-2011 03:00:35; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48753
5;-1615.5; 27-JUN-2011 03:03:07; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48753
6;-1372.6; 27-JUN-2011 03:07:10; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48753
7;-1078.2; 27-JUN-2011 03:12:04; Dark ; 40.0; 94; 92Alp Cet ; 2.53; 3100;occ; 80; 0;48753
8; -568.5; 27-JUN-2011 03:20:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48753
9; 47.1; 27-JUN-2011 03:30:49; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48754
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19; 2801.1; 27-JUN-2011 04:16:43; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48754
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13; 1257.2; 28-JUN-2011 08:14:57; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48771
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2; 1465.5; 28-JUN-2011 14:59:21; Bright; 44.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 89; 0;48775
3; 1970.3; 28-JUN-2011 15:07:46; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48775
4; 2110.2; 28-JUN-2011 15:10:06; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;48775
5; 2647.9; 28-JUN-2011 15:19:04; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48775
6; 2797.3; 28-JUN-2011 15:21:33; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48775
7; 3340.4; 28-JUN-2011 15:30:36; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48775
8; 3775.8; 28-JUN-2011 15:37:52; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48775
9; 3875.4; 28-JUN-2011 15:39:31; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48775

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10; 4043.0; 28-JUN-2011 15:42:19; Bright; 46.5; 160; 23Gam Per ; 2.93; 4700;occ; 93; 0;48775
 11; 4245.6; 28-JUN-2011 15:45:42; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48775
 12; 4400.1; 28-JUN-2011 15:48:16; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48775
 13; 4648.2; 28-JUN-2011 15:52:24; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48775
 14; 4944.6; 28-JUN-2011 15:57:20; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48775
 15; 5463.3; 28-JUN-2011 16:05:59; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48775
 16; 6082.7; 28-JUN-2011 16:16:19; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;48776
 17; 6471.5; 28-JUN-2011 16:22:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48776
 18; 6589.0; 28-JUN-2011 16:24:45; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48776
 19; 6740.9; 28-JUN-2011 16:27:17; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48776

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 3; 1465.4; 28-JUN-2011 16:39:35; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48776
 4; 1970.4; 28-JUN-2011 16:48:00; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48776
 5; 2110.1; 28-JUN-2011 16:50:20; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48776
 6; 2647.3; 28-JUN-2011 16:59:17; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48776
 7; 2797.0; 28-JUN-2011 17:01:47; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48776
 8; 3339.4; 28-JUN-2011 17:10:49; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48776
 9; 3775.3; 28-JUN-2011 17:18:05; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;48776
 10; 3874.9; 28-JUN-2011 17:19:45; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;48776
 11; 4043.1; 28-JUN-2011 17:22:33; Bright; 41.0; 160; 23Gam Per ; 2.93; 4700;occ; 82; 0;48776
 12; 4245.7; 28-JUN-2011 17:25:56; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48776
 13; 4400.0; 28-JUN-2011 17:28:30; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48776
 14; 4648.3; 28-JUN-2011 17:32:38; Dark ; 59.5; 50; 13Alp Ari ; 2.01; 4250;occ; 119; 0;48776
 15; 4944.8; 28-JUN-2011 17:37:35; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48776
 16; 5464.1; 28-JUN-2011 17:46:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48776
 17; 6083.7; 28-JUN-2011 17:56:34; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48777
 18; 6472.5; 28-JUN-2011 18:03:02; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;48777
 19; 6589.9; 28-JUN-2011 18:05:00; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48777
 20; 6741.2; 28-JUN-2011 18:07:31; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48777

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 3; 1465.6; 28-JUN-2011 18:19:50; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48777
 4; 1970.3; 28-JUN-2011 18:28:14; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;48777
 5; 2110.0; 28-JUN-2011 18:30:34; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48777
 6; 2646.8; 28-JUN-2011 18:39:31; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48777
 7; 2796.6; 28-JUN-2011 18:42:01; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48777
 8; 3338.8; 28-JUN-2011 18:51:03; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48777
 9; 3774.8; 28-JUN-2011 18:58:19; Bright; 53.5; 74; 11Bet Cas ; 2.27; 6600;occ; 107; 0;48777
 10; 3874.3; 28-JUN-2011 18:59:58; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48777
 11; 4042.8; 28-JUN-2011 19:02:47; Bright; 37.0; 160; 23Gam Per ; 2.93; 4700;occ; 74; 0;48777
 12; 4245.4; 28-JUN-2011 19:06:09; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;48777
 13; 4400.1; 28-JUN-2011 19:08:44; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48777
 14; 4648.4; 28-JUN-2011 19:12:52; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48777
 15; 4945.0; 28-JUN-2011 19:17:49; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48777
 16; 5464.9; 28-JUN-2011 19:26:29; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48777
 17; 6084.6; 28-JUN-2011 19:36:49; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;48778
 18; 6473.3; 28-JUN-2011 19:43:17; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48778
 19; 6590.7; 28-JUN-2011 19:45:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48778
 20; 6741.5; 28-JUN-2011 19:47:46; Dark ; 47.5; 45; Alp Pav ; 1.94; 26000;occ; 95; 0;48778

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 3; 462.1; 29-JUN-2011 00:44:02; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48781
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 6; 1259.5; 29-JUN-2011 00:57:19; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48781
 7; 1341.6; 29-JUN-2011 00:58:41; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;48781
 8; 1466.4; 29-JUN-2011 01:00:46; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48781
 9; 1970.1; 29-JUN-2011 01:09:10; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48781
 10; 2109.6; 29-JUN-2011 01:11:30; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48781
 11; 2226.9; 29-JUN-2011 01:13:27; Bright; 33.0; 168; 17Zet Aql ; 2.99; 11000;occ; 66; 0;48781
 12; 2644.5; 29-JUN-2011 01:20:24; Bright; 62.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 124; 0;48781
 13; 2795.9; 29-JUN-2011 01:22:56; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48781
 14; 3336.0; 29-JUN-2011 01:31:56; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48781
 15; 3772.7; 29-JUN-2011 01:39:13; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48781

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16; 3872.5; 29-JUN-2011 01:40:52; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48781
17; 4042.7; 29-JUN-2011 01:43:43; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48781
18; 4245.1; 29-JUN-2011 01:47:05; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48781
19; 4400.2; 29-JUN-2011 01:49:40; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48781
20; 4649.8; 29-JUN-2011 01:53:50; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48781
21; 4946.8; 29-JUN-2011 01:58:47; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48781
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 3; 463.1; 29-JUN-2011 02:24:17; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48782
 4; 580.1; 29-JUN-2011 02:26:14; Dark ; 53.0; 31; Alp Gru ; 1.73; 15200;occ; 106; 0;48782
 5; 729.6; 29-JUN-2011 02:28:43; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48782
 6; 1300.2; 29-JUN-2011 02:38:14; Dark ; 48.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 96; 0;48782
 7; 1466.7; 29-JUN-2011 02:41:01; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48782
 8; 1969.9; 29-JUN-2011 02:49:24; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48782
 9; 2109.6; 29-JUN-2011 02:51:43; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48782
10; 2226.4; 29-JUN-2011 02:53:40; Bright; 39.0; 168; 17Zet Aql ; 2.99; 11000;occ; 78; 0;48782
11; 2644.0; 29-JUN-2011 03:00:38; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48782
12; 2795.8; 29-JUN-2011 03:03:10; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;48782
13; 3335.3; 29-JUN-2011 03:12:09; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;48782
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 3;-1971.4; 29-JUN-2011 03:23:56; Bright; 43.5; 160; 23Gam Per ; 2.93; 4700;occ; 87; 0;48782
 4;-1769.0; 29-JUN-2011 03:27:19; Bright; 55.5; 73; 57Gam1And ; 2.26; 13100;occ; 111; 0;48782
 5;-1613.4; 29-JUN-2011 03:29:54; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48782
 6;-1363.7; 29-JUN-2011 03:34:04; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48782
 7;-1066.8; 29-JUN-2011 03:39:01; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48782
 8; -544.9; 29-JUN-2011 03:47:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48782
 9; 75.8; 29-JUN-2011 03:58:04; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48783
10; 464.1; 29-JUN-2011 04:04:32; Dark ; 63.0; 63; Bet Gru ; 2.15; 2800;occ; 126; 0;48783
11; 581.3; 29-JUN-2011 04:06:29; Dark ; 51.5; 31; Alp Gru ; 1.73; 15200;occ; 103; 0;48783
12; 730.4; 29-JUN-2011 04:08:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48783
13; 1300.5; 29-JUN-2011 04:18:28; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;48783
14; 1467.0; 29-JUN-2011 04:21:15; Bright; 46.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 92; 0;48783
15; 1970.1; 29-JUN-2011 04:29:38; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48783
16; 2109.9; 29-JUN-2011 04:31:58; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48783
17; 2226.0; 29-JUN-2011 04:33:54; Bright; 39.0; 168; 17Zet Aql ; 2.99; 11000;occ; 78; 0;48783
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19; 2796.0; 29-JUN-2011 04:43:24; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48783
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 3;-1971.4; 29-JUN-2011 05:04:11; Bright; 35.0; 160; 23Gam Per ; 2.93; 4700;occ; 70; 0;48783
 4;-1769.0; 29-JUN-2011 05:07:33; Bright; 47.0; 73; 57Gam1And ; 2.26; 13100;occ; 94; 0;48783
 5;-1613.3; 29-JUN-2011 05:10:09; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48783
 6;-1363.4; 29-JUN-2011 05:14:18; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48783
 7;-1066.5; 29-JUN-2011 05:19:15; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48783
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 9; 77.0; 29-JUN-2011 05:38:19; Dark ; 62.5; 84; Alp Phe ; 2.40; 4500;occ; 125; 0;48784
10; 464.9; 29-JUN-2011 05:44:47; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48784
11; 582.3; 29-JUN-2011 05:46:44; Dark ; 51.5; 31; Alp Gru ; 1.73; 15200;occ; 103; 0;48784
12; 730.8; 29-JUN-2011 05:49:13; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48784
13; 1300.7; 29-JUN-2011 05:58:43; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;48784
14; 1467.5; 29-JUN-2011 06:01:29; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48784
15; 1970.0; 29-JUN-2011 06:09:52; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48784
16; 2109.8; 29-JUN-2011 06:12:12; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48784
17; 2225.4; 29-JUN-2011 06:14:07; Bright; 46.0; 168; 17Zet Aql ; 2.99; 11000;occ; 92; 0;48784
18; 2643.0; 29-JUN-2011 06:21:05; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48784
19; 2795.8; 29-JUN-2011 06:23:38; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48784
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 3; 1969.9; 29-JUN-2011 21:11:58; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48793
 4; 2109.3; 29-JUN-2011 21:14:17; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48793
 5; 2220.3; 29-JUN-2011 21:16:08; Bright; 50.0; 168; 17Zet Aql ; 2.99; 11000;occ; 100; 0;48793

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8; 2909.6; 29-JUN-2011 21:27:37; Bright; 42.0; 144; 18Del Cyg ; 2.86; 11000;occ; 84; 0;48793
9; 3328.1; 29-JUN-2011 21:34:36; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48793
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11; 3867.6; 29-JUN-2011 21:43:35; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48793
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13; 4244.4; 29-JUN-2011 21:49:52; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48793
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5; 735.7; 29-JUN-2011 22:31:37; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48794
6; 1303.8; 29-JUN-2011 22:41:06; Dark ; 47.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 94; 0;48794
7; 1469.3; 29-JUN-2011 22:43:51; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48794
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9; 2109.3; 29-JUN-2011 22:54:31; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48794
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 2; 2109.1; 30-JUN-2011 08:55:55; Bright; 54.0; 59; 55Alp Oph ; 2.08; 8900;occ; 108; 0;48800
 3; 2216.8; 30-JUN-2011 08:57:43; Bright; 49.0; 168; 17Zet Aql ; 2.99; 11000;occ; 98; 0;48800
 4; 2635.4; 30-JUN-2011 09:04:41; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48800
 5; 2793.2; 30-JUN-2011 09:07:19; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48800
 6; 2903.7; 30-JUN-2011 09:09:09; Bright; 61.0; 144; 18Del Cyg ; 2.86; 11000;occ; 122; 0;48800
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 9; 3856.0; 30-JUN-2011 09:25:02; Bright; 40.5; 110; 37Del Cas ; 2.68; 8900;occ; 81; 0;48800
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 11; 4145.2; 30-JUN-2011 09:29:51; Bright; 37.0; 175; 39Del Per ; 3.01; 19400;occ; 74; 0;48800
 12; 4244.1; 30-JUN-2011 09:31:30; Bright; 57.5; 73; 57Gam1And ; 2.26; 13100;occ; 115; 0;48800
 13; 4401.8; 30-JUN-2011 09:34:08; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48800
 14; 4655.9; 30-JUN-2011 09:38:22; Dark ; 61.0; 50; 13Alp Ari ; 2.01; 4250;occ; 122; 0;48800
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 17; 6108.1; 30-JUN-2011 10:02:34; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;48801
 18; 6495.6; 30-JUN-2011 10:09:01; Dark ; 66.0; 63; Bet Gru ; 2.15; 2800;occ; 132; 0;48801
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 21; 7320.0; 30-JUN-2011 10:22:46; Dark ; 48.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 97; 0;48801
 22; 7484.6; 30-JUN-2011 10:25:30; Bright; 44.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 89; 0;48801

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 3; 2216.2; 30-JUN-2011 10:37:56; Bright; 49.5; 168; 17Zet Aql ; 2.99; 11000;occ; 99; 0;48801
 4; 2635.0; 30-JUN-2011 10:44:55; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48801
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 9; 3855.7; 30-JUN-2011 11:05:15; Bright; 41.0; 110; 37Del Cas ; 2.68; 8900;occ; 82; 0;48801
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 12; 4244.0; 30-JUN-2011 11:11:44; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;48801
 13; 4401.8; 30-JUN-2011 11:14:21; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48801
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 3; 2215.6; 30-JUN-2011 12:18:09; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;48802
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 6; 2901.9; 30-JUN-2011 12:29:36; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;48802
 7; 3322.2; 30-JUN-2011 12:36:36; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48802
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 9; 3855.4; 30-JUN-2011 12:45:29; Bright; 63.0; 110; 37Del Cas ; 2.68; 8900;occ; 126; 0;48802
 10; 4041.8; 30-JUN-2011 12:48:35; Bright; 39.0; 160; 23Gam Per ; 2.93; 4700;occ; 78; 0;48802


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13; 4402.0; 30-JUN-2011 12:54:36; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48802
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21; 7320.6; 30-JUN-2011 13:43:14; Dark ; 44.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 88; 0;48803
22; 7485.0; 30-JUN-2011 13:45:59; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48803
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 3; 2215.2; 30-JUN-2011 13:58:23; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;48803
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 5; 2792.8; 30-JUN-2011 14:08:00; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48803
 6; 2901.2; 30-JUN-2011 14:09:49; Bright; 49.5; 144; 18Del Cyg ; 2.86; 11000;occ; 99; 0;48803
 7; 3321.6; 30-JUN-2011 14:16:49; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;48803
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11; 4145.2; 30-JUN-2011 14:30:33; Bright; 42.0; 175; 39Del Per ; 3.01; 19400;occ; 84; 0;48803
12; 4243.9; 30-JUN-2011 14:32:11; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48803
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12; 4145.3; 30-JUN-2011 16:10:47; Bright; 33.5; 175; 39Del Per ; 3.01; 19400;occ; 67; 0;48804
13; 4243.8; 30-JUN-2011 16:12:25; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48804
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 7; 2899.6; 30-JUN-2011 17:30:15; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;48805
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